



Project Overview

Summary

Project Name:	City Appearance
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Increased service levels to address issues of city appearance including street cleaning, litter collection and park and open space maintenance

Project Background

Councils 10 Year Community Strategic Plan consultation feedback revealed a number of priority areas of concern including the appearance of our city. In particular our parks, playgrounds, footpaths and cycleways.

Delivery Program Reference 1.1.3 To improve the appearance and presentation of the City fostering a sense of community pride

Asset Management Plans Reference see Roads AMP & Recreation & Open Space AMP

Project Cost Estimate

\$500,000 per year from 2011/12 to 2014/15

Conclusion

This is a new initiative of Council where existing levels of service will be increased and new procedures developed.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning

Attachment

1 CITY APPEARANCE FINANCIAL SUMMARY & WORK SCHEDULE

1.1 FINANCIAL SUMMARY:

If Special Rate Variation (SRV) approved, additional funding \$500,000 for City Appearance work in 2011/12 and same amount available in subsequent years, unless altered by Council.

The proposed approximate split of funding in 2011/12 between Council in house works and contract works is as follows:

Council Works (100% in-house) \$500K (includes \$40K of additional streetsweeper work, and up to 5 staff, 3 utes, tools, materials, etc)

OR Contract Works Up to \$300K with balance in-house by Council

OR if additional streetsweeper work provided externally then up to \$340K for contract works

1.2 CITY APPEARANCE WORK PROPOSED:

The additional \$500K is proposed to be split across five (5) areas of work as follows:

1.2.1 Streetsweeping

	Minimum Cost	Maximum Cost
Increase street sweeping	\$37,000 pa	\$185,000 pa
Service level increase	20%	100%
Service level increase option details	<p><u>Option 1:</u> Additional 1 day per week equivalent for existing streetsweeper. Could trial 4 x 10 hour days and 1 x 8 hour day with day labour to supplement for 1 day per week equivalent.</p> <p><u>Option 2:</u> Use existing streetsweeper and mix of ord hours + OT for existing staff with day labour to supplement up to 1 day per week equivalent.</p> <p><u>Option 3:</u></p>	<p><u>Option 1:</u> Additional full year of shifts for a new streetsweeper and operator. Requires 1 additional staff.</p> <p><u>Option 2:</u> Long term lease or arrangement to supply streetsweeper for the year. Requires 1 additional staff.</p> <p><u>Option 3:</u></p>

	Hire machine with operator for number of hours per week or for day required.	Long term contract arrangement to supply streetsweeper and operator.
	<u>Capital Costs:</u> Some may be incurred (spread over time) if streetsweeper replacement cycle needs to be reduced due to increased use per year.	<u>Capital Cost:</u> Initial capital cost for Option 1 (new streetsweeper) \$330,000 approx.

- NOTES:
1. Council in-house estimated costs are:
Wages (Grade 4 Step D) \$22.65/hr + oncosts = \$28/hr
Streetsweeper internal hire \$60/hr
Total cost \$88/hr
 2. External hire of streetsweeper and operator = \$75/hr
 3. Review of internal hire rate needs to be done in 2011

Recommendation:

Trial use of streetsweeper for additional 8 hours per week.

Initial allocation for 2011/12 \$40K & 0.2 EFT.

Aim to achieve additional identified scheduled gutter cleaning.

- Current schedule includes the following:
 - Maitland including CBD and Lorn
 - local shopping centre areas including Lochinvar, Rutherford, Telarah, East Maitland, Tenambit, Thornton and Woodberry
 - identified roads and streets on schedule
 - industrial areas and New England Highway kerb & gutter
 - current trial to cover the whole city with at least one visit in each street per year (based on only using sweeper if kerb and gutters need cleaning)
- Current street sweeping schedule attached.

1.2.2 Weed and Long Grass Control

- Increase frequency on current sites identified on weed spraying schedule (draft pest control schedule attached) and/or add identified areas of need onto the schedule

Recommendation:

Recreation Works - Weed Control Team, \$25K and 0.3 EFT including materials/chemicals.

- Increase frequency of whipper snipper work in drainage reserves/easement and around pits and outlets in drainage reserves/easements and parks/reserves/open space and/or add identified areas to current schedules.

Recommendation:

City Appearance Taskforce, \$35K and 0.5 EFT.

- Inspect, schedule and carry out weed chipping on arterial and sub-arterial roads not currently listed on a schedule for this type of work.

Recommendation:

Civil Maintenance – Drainage Crew or Recreation – Weed Control. Initial allocation for 2011/12 \$35K and 0.5 EFT.

1.2.3 Park / Open Space Maintenance

(i) Current situation:

Gardening - Formalise current need for 1 additional staff member by converting trial of labour hire casual, currently funded from program, to a permanent arrangement.

(ii) Additional gardening works:

Option 1 -

Recommendations:

Initial allocation in 2011/12 for –

1. Additional 1 EFT staff, (gardening) ute hire and tools (\$80K pa) (Recreation Works).

2. Capital cost of ute and tools (\$30K).

Option 2 –

Designated gardening areas (25%) to be done by contractor.

(iii) Mowing work:

Consider,

- Increased frequency to current schedules.
- Additional new areas to those on current schedules eg Chisholm Road at NEH, city entrances, open space and reserves for drainage/creeks. Has added advantages of fire hazard reduction.

Option 1 –

Recommendation:

Initial allocation in 2011/12 for additional 0.5 EFT staff and hire of mower / excavator (\$40K pa) (City Appearance Taskforce Team).

Option 2 –

Revise in-house mowing areas/schedules and add the additional work to a mowing maintenance contract.

1.2.4 Litter Collection

Option 1:

Schedule additional work for current crews in current areas (Civil Maintenance and/or Recreation Works) (Aim for crews to have a sense of ownership). Additional staff required, but to be across all teams.

Option 2:

Schedule additional work with increase of Recreation teams from 4 to 5 and team work areas revised from 4 to 5.

Option 3:

Recommendations:

- 1. Specific City Appearance Taskforce team to carry out scheduled additional works including litter collection.**
- 2. Initial allocation for 2011/12 \$80K and 1 EFT.**
- 3. \$30K capital for ute and tools.**

1.2.5 Graffiti Removal

- Current Projects Division budget for graffiti removal is \$35,000. Graffiti is currently removed by the painting team comprising 2 painters and an apprentice operating from one small truck. About 30 percent of the work done by the team is graffiti removal.
- Council property: Increase inspections, programming and scheduled work on Council property.

Recommendations:

- 1. Expanded service with one extra painter with a separate vehicle, devoted primarily to graffiti removal. Two crews coming together for larger painting jobs.**
 - 2. Initial allocation for 2011/12 \$80K and 1 EFT.**
 - 3. \$30K capital cost of ute plus tools.**
- Private and public property (not Council's): At present only offensive graffiti is removed from fences adjoining lanes and pathways as these fences are essentially in private ownership.

Option 1 –

Inspect, prioritise, document and send correspondence to private and public owners of other assets (not Council) to raise their awareness of existing graffiti and encourage the owners to remove graffiti eg private fences visible from public land such as along lanes and around reserves and open space; electricity substations, pillar boxes and street light poles; buildings and infrastructure visible from public spaces such as roads, pedestrian walkways, cycleways, bridges, CBD and riverbank; high pedestrian or vehicle traffic areas. Having Energy Australia committed is a must if MCC is to achieve any success.

Option 2 –

In addition to Option 1 above; Inspect, prioritise, seek approval and remove graffiti from private property eg fences, structures and buildings in the CBD, around local shopping centres, at city entrances and along major transport thoroughfares, and

along lanes, walkways and cycleways.

1.3 CITY APPEARANCE RESOURCE REQUIREMENTS SUMMARR

1.3.1 Total Resource requirements:

Up to 5 additional staff, streetsweeper and ute hire and materials (\$410K pa).

Capital outlay for 3 utilities and tools (\$90K).

Further details are provided in the table that follows:

CITY APPEARANCE PROPOSAL 14/3/11:					
Action Item	Staff EFT	Annual Cost Labour & Materials	Annual Cost of Hire Equipment Vehicles (\$)	First Year (2011/12) Capital Costs (\$) (Utes & Tools)	2011/12 Total Cost (\$)
Streetsweeping	0.2	\$15K	\$25K	-	\$40K
Weed & long grass control:					
– Weed control	0.3	\$25K incl chemicals	-	-	\$25K
– Whipper snip Recreation Areas	0.5*	\$35K	(\$95K) -	- (\$95K)	\$35K
– Weed chipping streets – Civil or Weed Control	0.5	\$35K	-	-	\$35K
Park & Open Space Maintenance:					
– Gardening	1	\$80K	Ute hire included	\$30K	\$110K
– Additional Mowing	0.5*	\$35K			\$35K
Litter Collection City Appearance Taskforce Team	1*	\$80K	Ute hire included	\$30K	\$110K
Graffiti Removal	1 painter	\$80K	Ute hire included	\$30K	\$110K
TOTAL	5				\$500K

* Denotes part of 2 person City Appearance Taskforce Team.



Project Overview

Summary

Project Name:	Heavy Patching
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Heavy patching is required on roads awaiting capital works. The extra heavy patching will be city wide and predominantly on collector roads.

Project Background

Heavy patching has been identified as requiring more resources as there is a backlog of maintenance of this type. The heavy patching will increase safety, minimise risk and provide for a better city appearance.

Project Cost Estimate

Typically a heavy patch costs in the order of \$110 per square metre, based on recent works of this nature. Due to the backlog of road works it is imperative that we maintain the road network to an acceptable service level. Works will be priority based and implemented city wide with a project cost of \$850,000.

Conclusion

This work has been identified by our maintenance delivery program processes and the routine maintenance plan is discussed in the Asset Management Plan for Roads.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Maitland Park Cycleway
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The construction of a walking-path / cycle-path surrounding Maitland Park including the installation of a vehicle barrier fence.

Project Background

Maitland Park is the city's premier passive and active recreation facility and is identified as such in the Council's Recreation Openspace Asset Management Plan (table 5.1.1.1). The need for opportunities for safe walking and cycling are common themes expressed at many community forums. Maitland Park is seen as an ideal location to accommodate this type of infrastructure. The project is identified in the Maitland Park Plan of Management and Master Plan 2010.

Project Cost Estimate

These estimates are based on recent works of this nature; detailed estimates are attached.

Conclusion

The inclusion of this significant embellishment to Maitland Park will ensure that the park remains a popular recreational venue with residents of the Lower Hunter.

APPROVALS

Prepared By

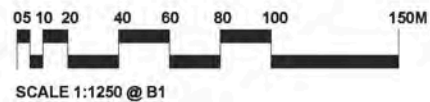


Manager Infrastructure Planning & Administration



Approved By

Group Manager Assets & Infrastructure Planning



DRAFT

MAITLAND PARK LANDSCAPE MASTERPLAN

DESIGNED BY:	DRAWN BY:	CHECKED:
PW	PW	DM
DATE:	SHEET No:	SCALE:
28/11/07	3/3	PLAN 1:1250
PROJECT No:	DWG No:	ISSUE:
0375	Figure 5.1	B



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DRAFT MANAGEMENT PLAN INDICATIVE COSTS

Objectives	Means of Achievement	Indicative Cost	Priority	Responsibility	Manner of Assessment
1.0 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Construction of an indoor aquatic centre, located to the east of the existing pool.	\$ 36,500,000.00	MEDIUM	MCC	Indoor aquatic centre is operational 12 months of the year and supporting the entire Maitland LGA population.
1.5 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	The netball club room and amenities building to be repaired and improved, and in the long term a new one to be built when the adjacent private property is purchased by MCC or built on the vacant Council owned land between Gipps Street and Smith Street. (1	\$ 1,200,000.00	MEDIUM	MCC	Current netball club room and amenities repaired and in a usable condition. Council to investigate the possible acquisition of the next door private property or the use of the Council owned land between Gipps Street and Smith Street. Netball Club and MCC
1.9 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Flood lights to be installed on the grass playing fields. Stage 2)	\$ 180,000.00	MEDIUM	MCC	Flood lighting installed
1.10 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Removal of canteen behind Robin's Oval.	\$ 10,000.00	Medium	MCC	Canteen removed
1.11 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Flood lighting installed at Robin's Oval.	\$ 200,000.00	MEDIUM	MCC	The flood lights are installed and are not sympathetic to the historic theme
1.12 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Relocate four (4) tarred netball courts to the vacant land to the east of the netball courts. Construct new car park	\$ 360,000.00	Medium	MCC	Current tarred courts removed and land turned into a car park. Construction -bf 4 new floodlit Acrylic courts
1.13 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	The trees between the netball courts are to be removed and four (4) new courts constructed.	\$ 300,000.00	MEDIUM	MCC	(trees removed and four (4) new Acrylic Floodlit courts constructed.
1.14 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	The two (2) south-western netball courts are to be removed and relocated onto the south east vacant land adjacent Gipps Street	\$ 150,000.00	MEDIUM	MCC	Netball courts removed and new floodlit courts constructed.
1.15 1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	The three (3) grassed courts are to be reconstructed	\$ 225,000.00	MEDIUM	MCC	Netball courts tarred/ floodlit.
1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Robins Oval grandstand and change rooms to be repaired and improved \$80,000-\$100,000	\$ 100,000.00	MEDIUM	MCC	Grandstand is repaired and safe for use, change rooms are improved and useable.
1. Maintain the Park as Martland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Land Acquisition program	\$ 1,000,000.00	MEDIUM	MCC	Land Acquisition Strategy to be developed
2.0 2.Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	All current and future facilities (e.g. BBQ and picnic shelters, park bench seats, bins, fencing etc), are to be in theme with the historic nature of the Park.	\$ 250,000.00	MEDIUM	MCC	All facilities in the Park are in theme with the historic identity of the Park.
2.2 2.Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Trees along Transvaal Avenue are to be managed as outlined in the Maitland City Council 2003 Transvaal Avenue Conservation Management Plan	\$ 15,000.00	MEDIUM	MCC	Transvaal Avenue is being management in accordance to the Conservation Management Plan (Recurrent cost)
2.6 2.Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Walking/cycle paths (2.5m) constructed through the Park that connect all the heritage items/areas together and create a memorial/heritage walk in the Park. Approx 7001m	\$ 180,000.00	MEDIUM	MCC	Walking/cycle path integrating the memorials and heritage items into the Park.
3.0 3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	Walking/cycle path (2.5m) to be constructed and to circumnavigate the perimeter of the Park, connecting with the New England Highway pedestrian overpass, along Transvaal Avenue, around the western side of the Bowling Club, the north, east and southern side	\$ 420,000.00	MEDIUM	MCC	Every facility and amenities building is connected, the passive recreation and sporting facilities are connected, areas are easily accessible from the car parks, and the heritage items and memorials are connected.
3.6 3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	Car parks to be constructed along the northern, eastern and southern perimeters of the pool and aquatic centre providing approximately 160 car spaces). Allowance 3k per space	\$ 480,000.00	MEDIUM	MCC	Enough car parking space for users of the pool and aquatic centre and users of the passive recreation areas on the west and eastern sides of the pool and aquatic centre.
3.7 3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	Car park to be constructed between the Bowling Club and the proposed hockey complex, providing approximately 40 car spaces . Allowance 3k per space	\$ 120,000.00	MEDIUM	MCC	Car parking available for hockey complex and Bowling Club users.
3.9 3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	The vacant Council owned land between Gipps Street and Smith Street to be turned into a car parking, bus parking and bus set down area, providing approximately 164 parking spaces.Allowance 3k per space	\$ 492,000.00	MEDIUM	MCC	Formalisation of the vacant land into a car park, providing parking space for netball and other sport users and spectators and bus parking.
4.0 4. Enhance existing use of open space and provide for a friendly, inviting, accessible and safe recreation area for the Maitland City community.	MCC to plant endemic trees in the passive recreation areas, particularly near the playground. When new planted trees are at a height where they provide shade and shelter, remove existing mature trees (if dangerous and/or a non-native species).	\$ 50,000.00	MEDIUM	MCC	Mature and non-native trees have been replaced with endemic species, without any inconvenience to Park users.
		\$ 48,389,000.00			
		\$ 9,889,000.00			



Project Overview

Summary

Project Name:	Community Buildings Kitchens
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Replacement of kitchens in community buildings at Metford, Tenambit and Rutherford.

Project Background

The kitchens are over 20 years old and do not meet the current health requirements. The upgrades would benefit the community by increasing usage and providing a cleaner area to prepare food. The works are listed on the capital works program for consideration as a high priority.

Project Cost Estimate

The estimated cost is \$150,000 in 2011/2012 with each kitchen to cost \$50,000. Pricing was based on a recent new kitchen installation at Rutherford Childcare Centre.

Conclusion

These projects are listed in the Council's Asset Management Plan for Buildings (Appendix B).



Sporting facility kitchen

APPROVALS

PREPARED BY

Manager Infrastructure Planning & Administration

Approved By

Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING DESIGN & TECHNICAL SERVICES 2010-2011 BUILDING ESTIMATE

JOB No.

BS No.

PLAN No.

Prepared by: Mark Threadgate
Location: Various

Checked by:

Date: 24/03/2011
Zone: 01

Description of Works: Kitchen Upgrades

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE \$	AMOUNT \$
2. DEMOLITION					
2.01	Walls	Item	4	\$250.00	(\$1,000.00)
2.08	Kitchen Cupboards	Item	1	\$500.00	(\$500.00)
8. STEEL FRAMING					
8.10	Hot Water Storage Tank Platforms	Item	1	\$150.00	(\$150.00)
11. CLADDING and LININGS					
11.02	Internal Wall and Ceiling Cladding	m ²	65	\$30.00	(\$1,950.00)
12. JOINERY					
12.01	Door Frames	Item	1	\$500.00	(\$500.00)
12.02	Windows and Sliding Doors	Item	1	\$500.00	(\$500.00)
12.04	Cupboards / Kitchen / Bathroom	Item	1	\$15,000.00	(\$15,000.00)
13. SERVICES					
13.01	Plumbing				(\$0.00)
	Kitchen	Item	1	\$3,500.00	(\$3,500.00)
13.02	Electrical				(\$0.00)
	Lights	Item	2	\$500.00	(\$1,000.00)
	Power Points	Item	4	\$500.00	(\$2,000.00)
	Rangehood	Item	1	\$1,000.00	(\$1,000.00)
	Oven	Item	1	\$1,500.00	(\$1,500.00)
	Air Conditioning	Item	1	\$1,800.00	(\$1,800.00)
14. TILING / COVERING MATERIALS					
14.01	Materials				(\$0.00)
	Vinyl	m ²	25	\$221.00	(\$5,525.00)
	Tiles	m ²	40	\$80.00	(\$3,200.00)
15. PAINTING					
15.02	Interior				(\$0.00)
	Walls	m ²	40	\$20.00	(\$800.00)
	Roof	m ²	25	\$25.00	(\$625.00)
16. P.C. Items (Supply & Install)					
16.02	Flip mixers	Item	1	\$150.00	(\$150.00)
16.06	S/S Double Bowl Sink	Item	1	\$500.00	(\$500.00)
16.08	S/S Bench Tops	Item	1	\$8,000.00	(\$8,000.00)
16.09	S/S Surround	Item	2	\$400.00	(\$800.00)
TOTAL PROJECT COST					\$50,000.00



Project Overview

Summary

Project Name:	Town Hall Refurbishment
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Restoration of heritage timber windows and doors, Stage 2 asbestos removal and reroofing, internal painting, new floor coverings and timber skirting boards to the front foyer.

Project Background

The Town Hall is iconic to Maitland and is well utilised for a number of different functions and uses. It is in need of restoration. Works have been identified from the Conservation Management Plan and building maintenance inspections.

Project Cost Estimate

Project estimate at \$500,000 in 2012/13 based on previous works of a similar nature. Works on heritage building of this nature are typically complex and works will be scaled to suit funding.

Conclusion

This project is listed in the Council's Assets Management Plan for Buildings (Appendix B) and in the Conservation Management Plan 2003.



Balcony doors Town Hall

APPROVALS

PREPARED BY 
Manager Infrastructure Planning & Administration


Approved By
Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Disabled Toilets
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Installation of 4 disable toilets located at the following facilities: Maitland Library, Town Hall, No. 1 Sportsground and Rutherford Sports Complex

Project Background

An Access audit of all Council buildings was completed in 2004. Council has programmed high priority access items in the capital works program for 2009/10 & 2010/11. There are no disable toilets at the Maitland City Library or at the two sports complexes. The Town Hall has a demountable temporary access disable toilet which has termite damage. A new toilet facility is required within this building.

Project Cost Estimate

Estimated cost \$600,000 over four years. The price was determined by pervious disable toilet installed at the East Maitland Aquatic Centre at a price of \$100,000.

Conclusion

Maitland City Council has made a commitment to improve access for persons with a disability to facilities through the implementation of a Disability Action plan. This work is listed in Council's Assets Management Plan list of works (Appendix B).



Town Hall Temporary Demountable Accessible Toilet

APPROVALS

PREPARED BY

Manager Infrastructure Planning & Administration

Approved By

Group Manager Assets & Infrastructure Planning



BUILDING ASSET PROJECT ESTIMATE

JOB No.

BS No.

PLAN No.

Prepared by: Mark Threadgate Checked by: Elizabeth Jardine Date: 24/03/2011

Budget Centre: BUILDING ASSET Sub.Centre: BUILDING WORKS

Estimate Accepted by Works:	Date:	23.03.11	Project No.:
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Street: _____ Location: Various

Description of Works:	Accessible Toilets
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ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Quote	M2	35	\$3,800	133,000.00
	Contingency	Item	1		17,000.00
	Total				\$ 150,000.00
TOTAL PROJECT COST				\$	150,000



Project Overview

Summary

Project Name:	Rutherford Shopping Precinct
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The reconstruction of the road pavement with an AC surface. Works will include traffic calming devices including roundabouts, a bus interchange, landscaping and road furniture.

Project Background

Rutherford shopping centre has recently expanded and has had a significant increase in patronage. This work has been identified in traffic studies and is required in this area as it is the major access to Rutherford shopping centre.

Project Cost Estimate

This project is estimated at \$2,000,000. This estimate is based on recent works of a similar nature.

Conclusion

This work has been identified in traffic studies and is listed as required works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Lawes Street Road Reconstruct Footpath
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Reconstruction of old footpath in the East Maitland shopping precinct.

Project Background

The exiting footpath in East Maitland shopping precinct is highly trafficked by pedestrians. The footpath is in poor condition and has many defects associated with utility reinstatements over the years. From a risk management perspective, and amenity, this project is a high priority.

Project Cost Estimate

Estimated cost for this project is \$500,000. This estimate is based on recent works of a similar nature.

Conclusion

This project is required for the safety of the community in this area of high pedestrian traffic. It has been identified in the list of required capital works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: B.Little Checked by: Date:

Budget Centre: Sub.Centre:

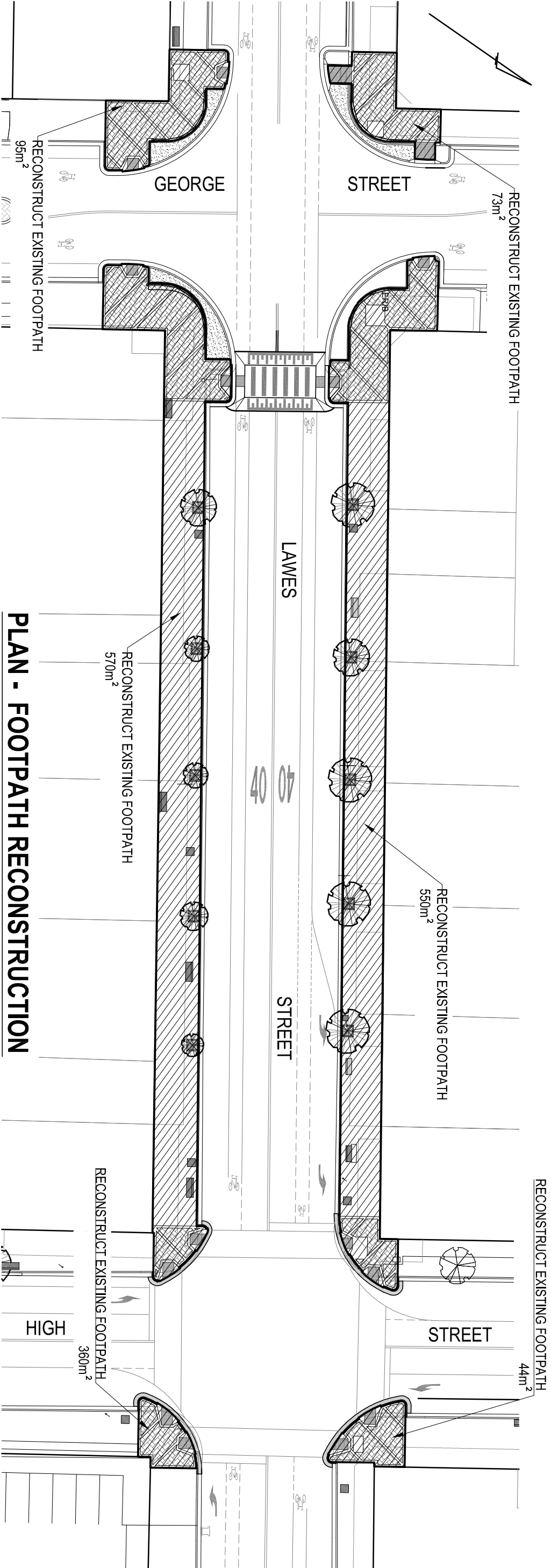
Estimate Accepted by Works: Date: Project No.:

Street: Lawes Street Location: East Maitland Zone:

Section from: George Street To: High Street Side:

Description of Works: Reconstruction of both Footpaths

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
04	Public Utilities / Adjust				
	Telecom (\$100/m)	Item	1	\$15,000.00	15,000
	Hunter Water (100mm\$120/m 300mm \$300/m)	Item	1	\$5,000.00	5,000
	Energy Australia Adjustment to street lighting	Item	1	\$25,000.00	25,000
	A.G.L.	Item	1	\$5,000.00	5,000
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	8	\$362.00	2,896
	Team Leader	wk	8	\$1,722	13,776
14	Domestic Services - Adjust				
	Water	Ea	10	\$440.00	4,400
TRAFFIC					
17	Traffic Control / Devices				
	Pedestrian Control	Item	1	\$5,000.00	5,000
	Vehicle Control	Item	1	\$10,000.00	10,000
	Adjustment	each	1	\$50,000.00	50,000
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				0
	Remove Concrete & transport to recycling	m²	1370	\$50.00	68,500
33	Recycling fees	t	400	\$40.00	16,000
ANCILLARY WORKS					0
82	Pedestrian Ramps	Ea	10	\$770.00	7,700
85	Paving to Footpath & Medians				
	Standard concrete	m²	1370	\$88.00	120,560
	Finish - (type, colour, laying pattern)	m²	1370	\$70.00	95,900
87	Remove and Relay K&G				
	Concrete	m	95	\$110.00	10,450
95	Trees & Shrubs	Item			
	Landscaping	Ea	1	\$20,000.00	20,000
	Guards replacement	Ea	5	\$500.00	2,500
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
UNALLOCATED COSTS					
999	Contingency (Accounts Department Use Only.)				20000.00
TOTAL PROJECT COST					498082



PLAN - FOOTPATH RECONSTRUCTION

P:\Task Folders Special Projects\Special Rate Variation Projects\Lawes Street, East Maitland\Lawes Street Reconstruction & Footpath.dwg

REVISION		BY	DATE
A	FOR CONCEPT APPROVAL	X.X	XX/XX/2019

CONCEPT PLAN - NOT FOR CONSTRUCTION

RATIO @A3 Horizontal Ratio: Vertical Ratio:		DATUM A.H.D.
SUPERVISOR S. Fuller	DESIGNER B. Little	

MAITLAND CITY COUNCIL
ASSETS & INFRASTRUCTURE PLANNING
285-287 HIGH STREET
P.O. BOX 220
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DX 21613 MAITLAND

RECONSTRUCTION OF PAVEMENT & FOOTPATH
LAWES STREET
EAST MAITLAND
FOOTPATH RECONSTRUCTION

PLAN No.	-
Sheet	1 of 1
F003 091203	



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: B.Little Checked by: _____ Date: _____
 Budget Centre: _____ Sub.Centre: _____
 Estimate Accepted by Works: _____ Date: _____ Project No.: _____
 Street: Lawes Street Location: East Maitland Zone: _____
 Section from: _____ To: _____ Side: _____
 Description of Works: Reconstruction of Pavement

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	5	\$362.00	1,810
11	Construction Set out	Item			
	Construction >\$50000	Item	1	\$2,000.00	2,000
	Team Leader	wk	5	\$1,722	8,610
14	Domestic Services - Adjust				
	Water	Ea	2	\$440.00	880
TRAFFIC					
17	Traffic Control / Devices				
	Barriers & signage	Item	1	\$2,000.00	2,000
	(4 persons \$92.00/hr)	Rate/Hour	125	\$201.00	25,125
20	Pavement Marking - Lines				
	Paint (schedule)	m	100	\$3.50	350
	PDX Pedestrian Crossing (Thermo)	Each	8	\$90.00	720
	Arrows – thermo (number)	Each	2	\$100.00	200
	Symbols – thermo (number)	Each	8	\$120.00	960
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				0
	Long Haul old seal	m³	800	\$33.18	26,544
33	Dumping of unrecyclable materials	t	230	\$40.00	9,200
PAVEMENT					
66	Basecourse - Gravel / Crushed Rock				
	Supplied to site (2.2t/m3 compacted ARRB SR41)	t	1750	\$20.30	35,525
69	Place & Compact				
	(150-200mm) layer confined space	m²	13950	\$3.85	53,708
72	Stabilization In-situ				
	360mm DeepLift	t	1750	\$20.00	35,000
76	Clear and Tidy Site (After Conc. Stabilisation)	Item	1	\$440.00	440
WEARING SURFACE					0
78	Asphaltic Concrete				
	Supply, Deliver and Lay (See contract rates)	t	195	\$170.00	33,150
80	Bitumen Seal - Single Coat Priimer Seal	m²	1980	\$2.75	5,445
81	Clean up after Seal				
	>\$50000 job	Item	1	\$660.00	660
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				

Street:	Lawes Street	Location:	East Maitland	Zone:	
Section from:		To:		Side:	
Description of Works:	Reconstruction of Pavement				
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
CONTINGENCY					7500.00
999					
(Accounts Department Use Only.)					
TOTAL PROJECT COST					250227



Project Overview

Summary

Project Name:	Lawes St East Maitland Shopping Centre Reconstruct Road
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The reconstruction of the road pavement with an AC surface. Works will include traffic calming devices.

Project Background

The road pavement is in need of reconstruction. Lawes Street is a significant part of the shopping centre in East Maitland and is classed as a collector road.

Project Cost Estimate

Estimated cost for this project is \$250,000. This estimate is based on recent works of this nature.

Conclusion

This project is required for the safety of the community in this area of high traffic. It has been identified in the list of required capital works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: B.Little Checked by: _____ Date: _____
 Budget Centre: _____ Sub.Centre: _____
 Estimate Accepted by Works: _____ Date: _____ Project No.: _____
 Street: Lawes Street Location: East Maitland Zone: _____
 Section from: _____ To: _____ Side: _____
 Description of Works: Reconstruction of Pavement

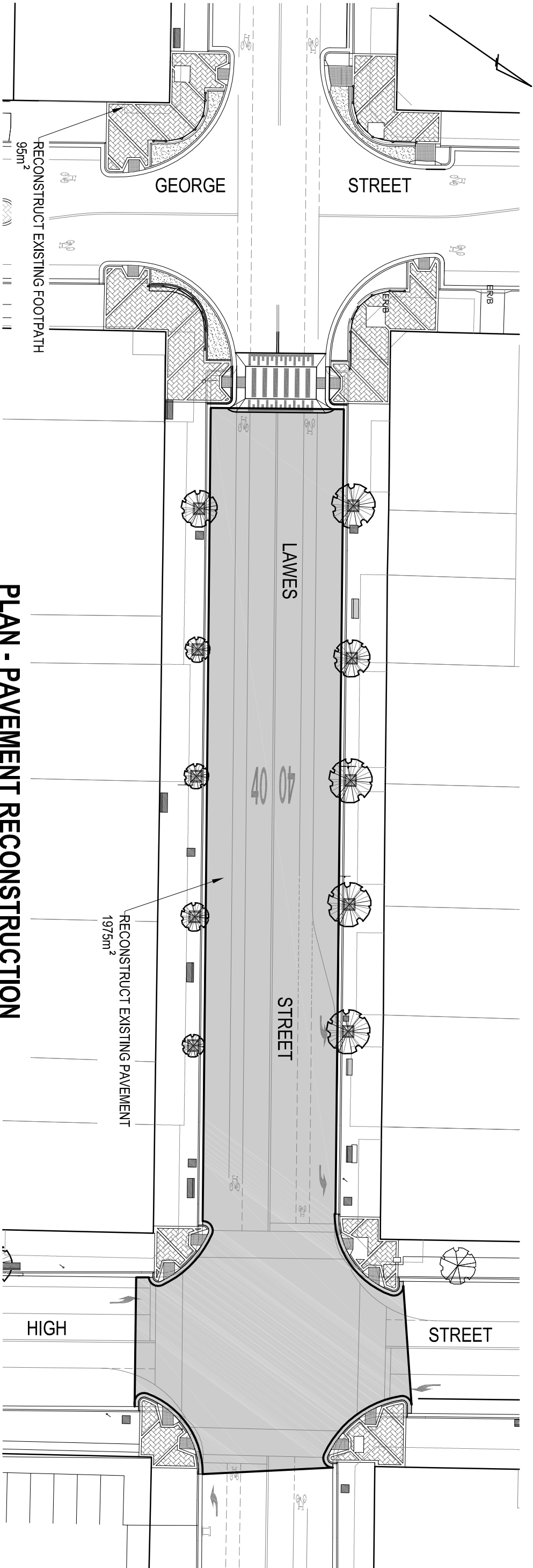
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	5	\$362.00	1,810
11	Construction Set out	Item			
	Construction >\$50000	Item	1	\$2,000.00	2,000
	Team Leader	wk	5	\$1,722	8,610
14	Domestic Services - Adjust				
	Water	Ea	2	\$440.00	880
TRAFFIC					
17	Traffic Control / Devices				
	Barriers & signage	Item	1	\$2,000.00	2,000
	(4 persons \$92.00/hr)	Rate/Hour	125	\$201.00	25,125
20	Pavement Marking - Lines				
	Paint (schedule)	m	100	\$3.50	350
	PDX Pedestrian Crossing (Thermo)	Each	8	\$90.00	720
	Arrows – thermo (number)	Each	2	\$100.00	200
	Symbols – thermo (number)	Each	8	\$120.00	960
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				0
	Long Haul old seal	m ³	800	\$33.18	26,544
33	Dumping of unrecyclable materials	t	230	\$40.00	9,200
PAVEMENT					
66	Basecourse - Gravel / Crushed Rock				
	Supplied to site (2.2t/m3 compacted ARRB SR41)	t	1750	\$20.30	35,525
69	Place & Compact				
	(150-200mm) layer confined space	m ²	13950	\$3.85	53,708
72	Stabilization In-situ				
	360mm DeepLift	t	1750	\$20.00	35,000
76	Clear and Tidy Site (After Conc. Stabilisation)	Item	1	\$440.00	440
WEARING SURFACE					
78	Asphaltic Concrete				
	Supply, Deliver and Lay (See contract rates)	t	195	\$170.00	33,150
80	Bitumen Seal - Single Coat Primer Seal	m ²	1980	\$2.75	5,445
81	Clean up after Seal				
	>\$50000 job	Item	1	\$660.00	660
EXTRA WORK					

Street: Lawes StreetLocation: East MaitlandZone:

Section from:To:Side:

Description of Works: Reconstruction of Pavement

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
98	Any extra work to that shown on the plan				
<u>WET WEATHER</u>					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
<u>CONTINGENCY</u>					7500.00
999	(Accounts Department Use Only.)				
TOTAL PROJECT COST					250227



PLAN - PAVEMENT RECONSTRUCTION

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REVISION		BY	DATE
A	FOR CONCEPT APPROVAL	X.X	XXXX/2019

CONCEPT PLAN - NOT FOR CONSTRUCTION

RATIO @A3	
Horizontal Ratio:	
Vertical Ratio:	
SUPERVISOR S. Fuller	DATUM A.H.D.
DESIGNER B. Little	

MAITLAND CITY COUNCIL
ASSETS & INFRASTRUCTURE PLANNING
285-287 HIGH STREET
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FAX (02) 49333209
DX 21613 MAITLAND

RECONSTRUCTION OF PAVEMENT & FOOTPATH
LAWES STREET
EAST MAITLAND
PAVEMENT RECONSTRUCTION

PLAN No.	-
F003 091203	
Sheet 1 of 1	



Project Overview

Summary

Project Name:	Swan St Morpeth K&G & Footpaths
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

This project is for the refurbishment of heritage sandstone kerb and gutter and footpath.

Project Background

Sandstone kerb is of heritage significance and was originally laid in the 19th century. Typically the works are intensive and require specialist advice from archaeologists and heritage consultants. The condition of the kerb and the footpath is very poor.

Project Cost Estimate

The project has been estimated as \$500,000. This estimate is based on the cost of similar recent works. Unit rates are anticipated to be \$2000 per linear metre for kerb and \$1000 per square metre for sandstone footpath.

Conclusion

This project is required for the safety of the community in this area of high pedestrian, cyclist and motor vehicle traffic. It has been identified in the list of required capital works in Appendix B of the Roads Asset Management Plan, as these works must be undertaken as part of the road reconstruction of Swan Street.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Green St Telarah Reconstruction
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The reconstruction of the road pavement with an AC surface. Works will include traffic calming devices.

Project Background

The road pavement is in need of reconstruction. Green Street is a significant part of the shopping centre in Telarah and is classed as a collector road.

Project Cost Estimate

Estimated cost for this project is \$2,000,000. This estimate is based on recent works of this nature.

Conclusion

This project is required for the safety of the community in this area of high traffic. It has been identified in the list of required capital works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

SERVICES PLANNING & REGULATION

ESTIMATE

JOB No.
BS No.
PLAN No.

Prepared by: K. Stein Checked by: _____ Date: _____

Budget Centre: _____ Sub.Centre: _____

Estimate Accepted by Works: _____ Date: _____ Project No.: _____

Street: Green Street Location: Telarah Zone: _____

Section from: _____ To: _____ Side: _____

Description of Works: Reconstruction between South Street and Wollombi Road - Concept Estimate

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
01	Survey, Investigation & Design	Item			80000
	K&G	Item			(80,000)
04	Public Utilities / Adjust	Item			132500
	Telecom - \$100/m	Item			(7,500)
	Hunter Water - 100mm\$120/m 300mm \$300/m	Item			(75,000)
	Energy Australia - Poles \$2000, Cables \$50/m	Item			(50,000)
SITE WORKS					
10	Site Establishment and Costs				3168
	Set - Up Costs-caravan on site	Item	1	\$396.00	(396)
	Site costs - Caravan rental per week	Weeks	14	\$198.00	(2,772)
11	Construction Set out	Item			5000
	Construction >\$50000	Item		1%	(5,000)
13	Supervision				18480
	Team Leader	wk	14	\$1,320	(18,480)
15	Sedimentation Control	Item		\$900 or 3%	10000
TRAFFIC					
17	Traffic Control / Devices				150000
20	Pavement Marking - Lines				11025
	BB	m	1000	\$3.50	(3,500)
	E1	m	2000	\$3.50	(7,000)
	TB	m	150	\$3.50	(525)
21	Sign Posting				5354
	Sign on new post in natural ground	Ea	55	\$97.35	(5,354)
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				131670
	Long Haul	m ³	6300	\$20.90	(131,670)
28	Excavation in Hard Rock				66000
	30t Excavator - hammer	m ³	500	\$132.00	(66,000)
DRAINAGE					
34	Pipes - Supply, Exc, Lay up to 600 Dia.	m			26400
	375 Dia. - Class"3" - RR Jointed	m	220.0	\$120.00	(26,400)
41	Inlet Pits - Kerb Inlet, Letterbox	Ea	10	\$1,507.00	15070
51	Standard Kerb & Gutter				132000
	New ie. Machine Laid	m	2000	\$66.00	(132,000)
PAVEMENT					
68	Basecourse -				745500

Street:	Green Street	Location:	Telarah	Zone:	
Section from:		To:		Side:	
Description of Works:	Reconstruction between South Street and Wollombi Road - Concept Estimate				
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Stabilstone Products ~ StableStone - Supplied to site 2.2t/m³	m³	14000	\$53.25	(745,500)
69	Place & Compact				68283
	(150-200mm)layer normal conditions	m²	24830	\$2.75	(68,283)
WEARING SURFACE					
77	Final Trim - Preparation for Seal	m²	10506	\$1.10	11557
78	Asphaltic Concrete				151200
	40mm thick	m²	945	\$160.00	(151,200)
ANCILLARY WORKS					
FOOTPATH WORKS					
82	Pedestrian Ramps	Ea	18	\$770.00	13860
83	Trim & Adjust Footpath	m²			9900
	Trim & Adjust Footpath	m²	2000	\$4.95	(9,900)
84	Turfing - Supply, Lay, Establish	m²	2000	\$5.50	11000
89	Accesses				82060
	Concrete / Pavers - Domestic - 50mm	m²	450	\$96.80	(43,560)
	Commercial/Industrial 65-75mm	m²	280	\$137.50	(38,500)
Contingency					120000
TOTAL PROJECT COST		2000026			



Scale 1 : 1500
Printing Date: January 2011

NORTH

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This map has been prepared on the basis of information available to Council at the date of issue. However, that information may be subject to change over a limited time and should therefore be verified with Maitland City Council



Project Overview

Summary

Project Name:	Metford Rd Metford Reconstruction
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The reconstruction of the road pavement with an AC surface.

Project Background

The road pavement is in need of reconstruction. Metford Road receives a high volume of traffic and is a collector road and a tourist route connecting the New England Highway to historic Morpeth.

Project Cost Estimate

Estimated cost for this project is \$1,500,000. This estimate is based on recent works of this nature.

Conclusion

This project is required for the safety of the community in this area of high traffic. It has been identified in the list of required capital works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING DESIGN & TECHNICAL SERVICES

ESTIMATE

JOB No.

BS No.

PLAN No.

X2451-1A

Prepared by: Gert Pretorius Checked by: Kevin Stein Date: 18/08/2009

Budget Centre: Sub.Centre:

Estimate Accepted by Works: Date: Project No.: C2451-1A

Street: Metford Road Location: Tenambit Zone:

Section from: Raymond Terrace Road To: Morpeth Road Side:

Description of Works: Road Reconstruction

NSW Local Infrastructure Fund Application

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
01	Survey, Investigation & Design	Item			35000
03	Material Testing	Item			5696
	Benkelman Beam - Job < \$15000	Item	1	\$2,000.00	(2,000)
	Density Test - 1 every 100m /each-minimum 3 per job	Ea	28	\$132.00	(3,696)
04	Public Utilities / Adjust	Item			190000
	Telecom - \$100/m	Item			(10,000)
	Hunter Water - 100mm\$120/m 300mm \$300/m	Item			(20,000)
	Energy Australia - Poles \$2000, Cables \$50/m	Item			(70,000)
	Street Lighting	Item			(90,000)
08	Contingencies	Item	1	20%	200000
SITE WORKS					
10	Site Establishment and Costs				3996
	Set - Up Costs-caravan on site	Item	1	\$396.00	(396)
	Site costs - Caravan rental per week	Weeks	10	\$360.00	(3,600)
13	Supervision				17220
	Overseer	wk	10	\$1,722	(17,220)
15	Sedimentation Control	Item		\$900 or 3%	40000
TRAFFIC					
17	Traffic Control / Devices				75000
	Rehab./ Construction in > low traffic Street	Item	600000	5%	(30,000)
18	Guardrail / Chainwire Fencing				41500
	Guardrail - G4	m	250	\$110.00	(27,500)
	Guardrail Melt End Units	Ea	4	\$3,500.00	(14,000)
19	Guide Posts				1860
	~ Snaploc Flexible	Ea	62	\$30.00	(1,860)
20	Pavement Marking - Lines				7345
	Lines				
	Numerals	Ea	4	\$140.00	(560)
	Complex Intersections - Turn Arrows	Ea	2	\$132.00	(264)
	BB	m	503	\$3.50	(1,761)
	E1	m	452	\$3.50	(1,582)
	BS	m	276	\$3.50	(966)
	S1	m	632	\$3.50	(2,212)
21	Sign Posting				1350
	Sign on new post in natural ground	Ea	9	\$150.00	(1,350)

Street: Metford Road Location: Tenambit Zone:

Section from: Raymond Terrace Road To: Morpeth Road Side:

Description of Works: Road Reconstruction

NSW Local Infrastructure Fund Application

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
23	Chevron pavement marking	m ²	300	\$8.03	2409
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				50787
	Long Haul	m ³	2430	\$20.90	(50,787)
29	Filling - Import to site				12824
	Median Haul	m ³	1340	\$9.57	(12,824)
30	Filling - Spread, Compact, Trim	m ³	1340	\$6.05	8107
DRAINAGE					
35	Pipes - Supply, Exc, Lay 600 & over Dia.	m			10000
	Extend 1050 Dia. - Class "3" - RR Jointed	m	2	\$5,000.00	(10,000)
45	Extend Existing Pipe Headwall	Ea	8	\$1,000.00	8000
51	Standard Kerb & Gutter				20320
	New ie. Machine Laid	m	127	\$160.00	(20,320)
53	Mountable Kerb	m	200	\$150.00	30000
55	Concrete v drain	m	500	\$100.00	12000
59	Open Drains				60000
	Form Open, Table, Catch Drains	m	5000	\$10.50	(52,500)
	Trim and Adjust batter	item	1	\$7,500.00	(7,500)
PAVEMENT					
66	Basecourse - Gravel / Crushed Rock				210600
	Supplied to site - 2.2t/m ³ compacted ARRB SR41	t	10530	\$20.00	(210,600)
69	Place & Compact				156750
	(150-200mm)layer normal conditions	m ²	57000	\$2.75	(156,750)
70	Tyne, add gravel and reshape -	m ²			19800
	30 - 50mm Thick		1800	\$11.00	(19,800)
71	Remove Seal				62250
	Remove Seal and Recycle	m ²	20750	\$3.00	(62,250)
WEARING SURFACE					
77	Final Trim - Preparation for Seal	m ²	20760	\$1.10	22836
78	Asphaltic Concrete x 2.7/m ³ for AC 7				47850
	40mm thick (150-200 t based on zone 1 & 2)	t	290	\$165.00	(47,850)
79	Bitumen Seal - Two Coat	m ²	20760	\$5.50	114180
81	Clean up after Seal	Item			10000
	>\$50000 job		1	\$10,000.00	(10,000)
ANCILLARY WORKS					
FOOTPATH WORKS					
82	Pedestrian Ramps	Ea	1	\$770.00	770
83	Trim & Adjust Footpath	m ²			0
	Trim & Adjust Footpath + 75mm Soil seed & water	m ²		\$6.88	(0)
85	Paving to Footpath & Medians				6250
	Infill to Medians	m ³	25	\$250.00	(6,250)
	Paving - Concrete - Normal footpath profile	m ²		\$88.00	(0)
94	Tree Lopping / Removal	Item	6	\$2,500.00	15000
EXTRA WORK					
98	Any extra work to that shown on the plan				

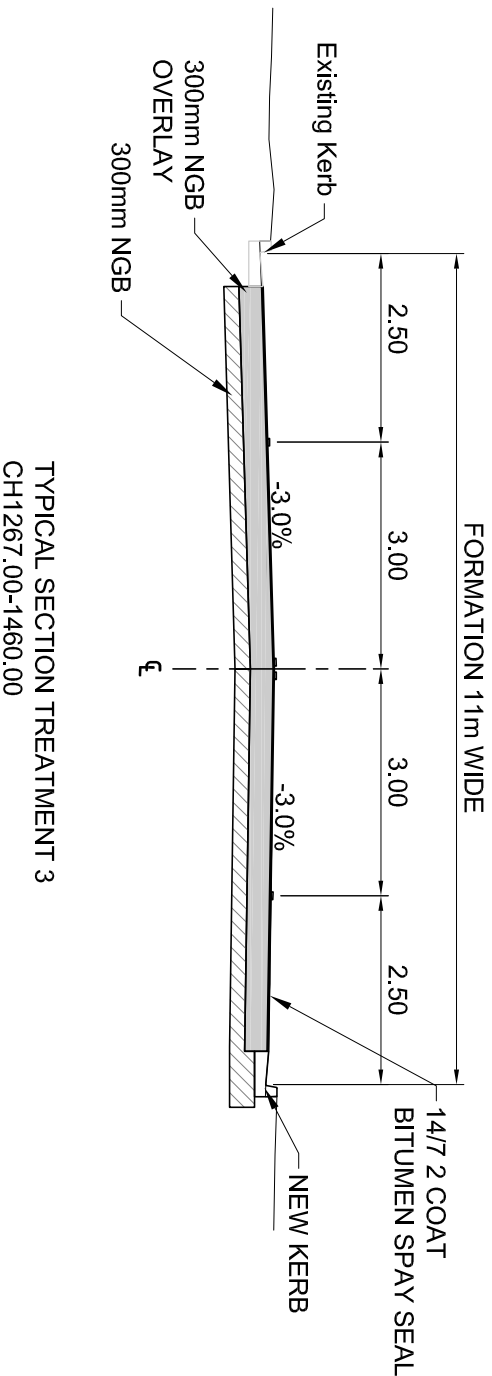
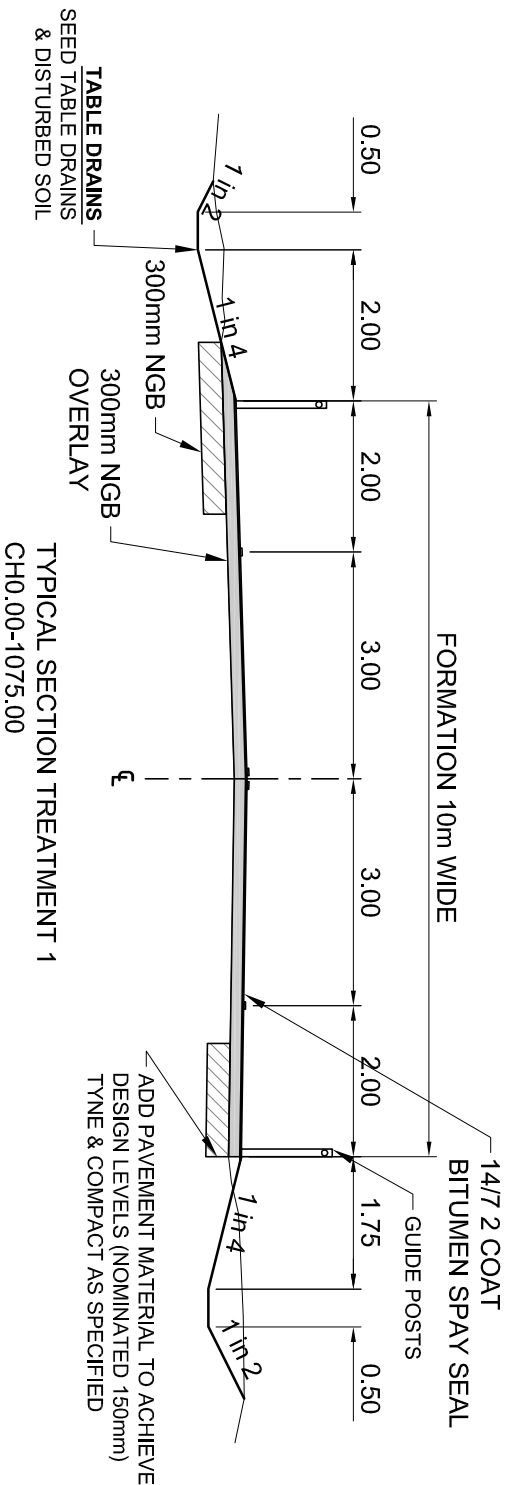
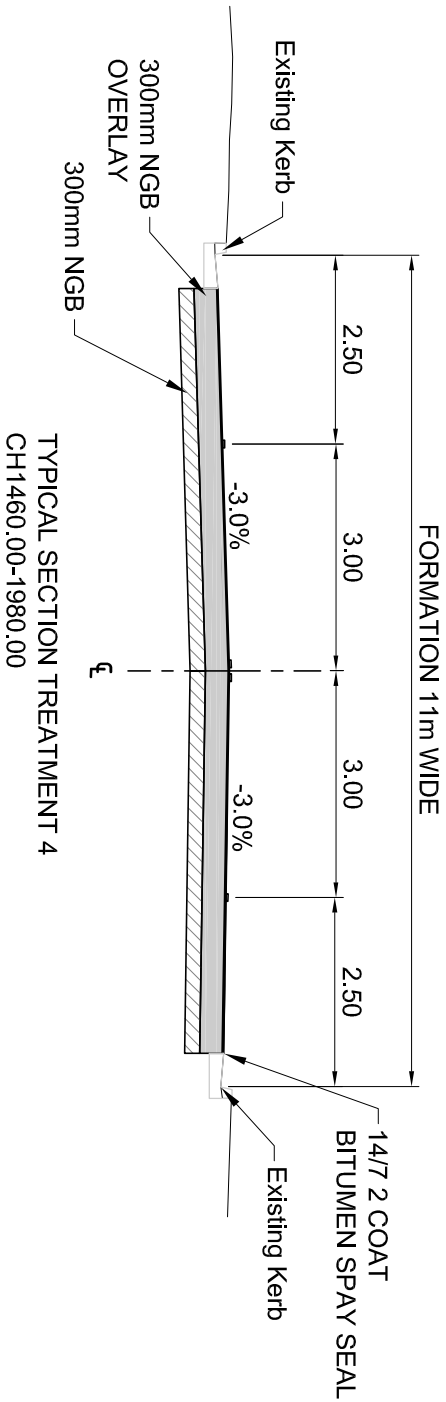
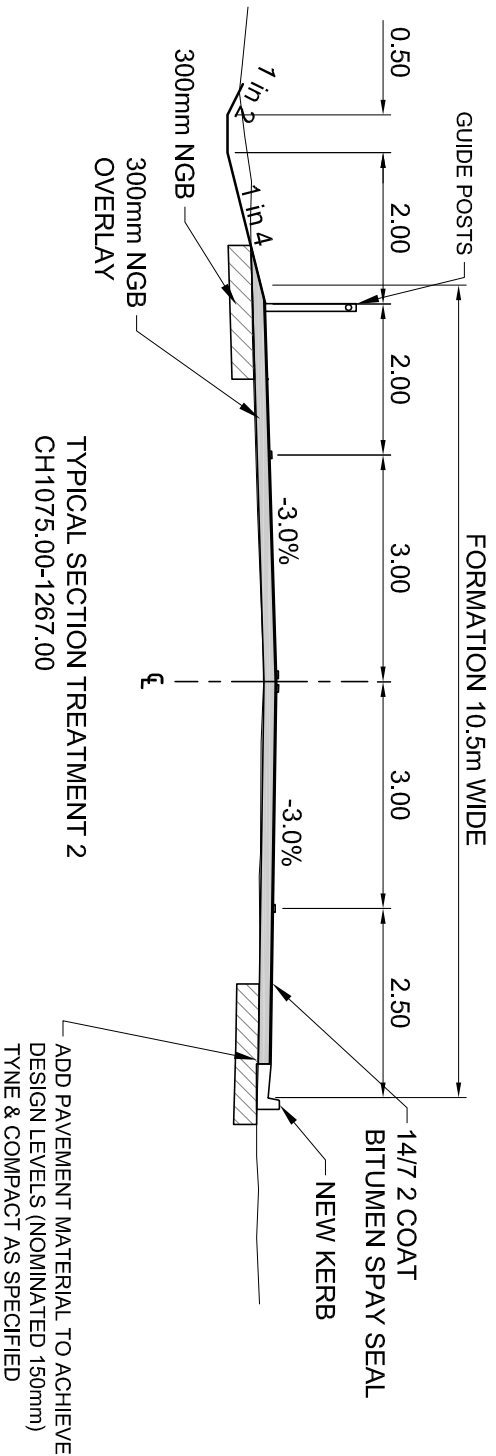
Street: Metford RoadLocation: TenambitZone:

Section from: Raymond Terrace RoadTo: Morpeth RoadSide:

Description of Works: Road Reconstruction

NSW Local Infrastructure Fund Application

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<u>WET WEATHER</u>					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
<u>UNALLOCATED COSTS</u>					
999	For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)				
TOTAL PROJECT COST		1499699			



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NOT FOR CONSTRUCTION

RATIO @A3 1:100	
SUPERVISOR S. Fuller	DATE A.H.D.
DESIGNER G.Pretorius	F003 090508

MAITLAND CITY COUNCIL

ASSETS & INFRASTRUCTURE PLANNING
285-287 HIGH STREET
P.O. BOX 220
MAITLAND 2320

PHONE: (02) 49349700
FAX (02) 49333209
DX 21613 MAITLAND

PROPOSED RECONSTRUCTION

METFORD ROAD
TENAMBIT
TYPICAL SHEET

PLAN No.	C2451-1	
SHEET OF	1	ISSUE
4 SHEETS		A



- TREATMENT 1
- TREATMENT 2
- TREATMENT 3
- TREATMENT 4



Putnam Federal Special Project/Special Area Variation Project/Maitland Road Reconstruction/Tenney Rd to River St/Maitland Road Reconstruction/Tenney Rd to River St/Map

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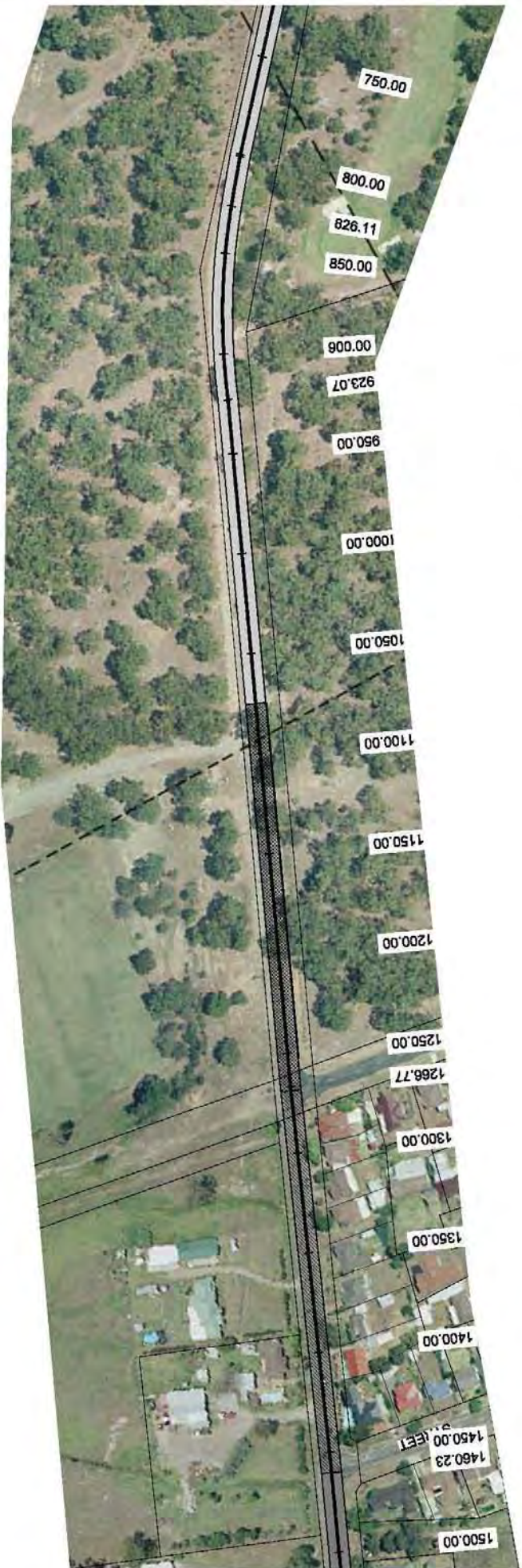
DATE	1/20/00
DESIGNER	S. P. HALL
CHECKER	G. P. HALL
PROJECT	1003 000000

MAITLAND CITY COUNCIL
ASSETS & INFRASTRUCTURE PLANNING
285-287 HIGH STREET
P.O. BOX 220
MAITLAND 2200
PHONE: (02) 48344700
FAX: (02) 4833209
DX 21813 MAITLAND

PROPOSED RECONSTRUCTION
METFORD ROAD
TENNEY RD
PLAN C90.00-715.00

PLAN	C2451-1
SHEET	2
OF	2
SHEETS	A

- TREATMENT 1
- TREATMENT 2
- TREATMENT 3
- TREATMENT 4



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NOT FOR CONSTRUCTION

DATE	1/20/00
BY	ALD.
CHECKED	ALD.
PROJECT	7103 060508

MAITLAND CITY COUNCIL
ASSETS & INFRASTRUCTURE PLANNING
285-287 HIGH STREET
P.O. BOX 220
MAITLAND 2220
PHONE: (02) 4834770
FAX: (02) 4833208
DX 21813 MAITLAND

PROPOSED RECONSTRUCTION
METFORD ROAD
TENAMBIT
PLAN CH 715.00-1485.00

PLAN NO.
C2451-1
SHEET 3 OF 3
SCALE
A

-  TREATMENT 1
-  TREATMENT 2
-  TREATMENT 3
-  TREATMENT 4



P:\T\Map Files\Special Projects\Special Road Version\Proposed\Recon\Recon\Tennis Rd to Ribbe St\Mapfile\Recon\Recon\Tennis Rd to Ribbe St.dwg

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DATE: 12/06/06	
DESIGNER: S. P. HILL	DATE: 12/06/06
DRAWN: G. P. HILL	DATE: 12/06/06
CHECKED: G. P. HILL	DATE: 12/06/06

MAITLAND CITY COUNCIL
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 285-287 HIGH STREET
 P.O. BOX 220
 MAITLAND 2200
 PHONE: (08) 48349700
 FAX: (08) 4833209
 DX 21813 MAITLAND

PROPOSED RECONSTRUCTION
METFORD ROAD
TENAMBIT
PLAN CH 1485.00-2250.00

PLAN NO.	C2451-1
SHEET 4 OF 4	A







Project Overview

Summary

Project Name:	Lorn Shopping Centre
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The revitalisation of Lorn Shopping Centre includes footpath improvements, landscaping and street furniture.

Project Background

This is a suburban shopping centre that has aging infrastructure. The centre attracts many people with its cafes and from a risk perspective, and aesthetic, this project is a high priority.

Project Cost Estimate

The estimate for this project is \$100,000. This estimate is based on recent works of a similar nature.

Conclusion

This project has been identified in the roads asset management plan for footpath refurbishment. Footpath refurbishment is listed in Appendix B of the Roads Asset Management Plan. Street furniture requirements are listed in Council's defect register.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING DESIGN & TECHNICAL SERVICES

ESTIMATE

JOB No.

BS No.

PLAN No.

2353.00

Prepared by: Gert Pretorius Checked by: Kevin Stein Date: 27/05/2009

Budget Centre: Sub.Centre:

Estimate Accepted by Works: Date: Project No.: 2353

Street: Belmore Road Location: Lorn Zone:

Section from: The Avenue To: Lorn Street Side:

Description of Works: Revitalisation of Shopping Precinct

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
------	-------------	------	----------	------	--------

SITE WORKS

10	Site Establishment and Costs				792
	Set - Up Costs-caravan on site	Item	1	\$396.00	(396)
	Site costs - Caravan rental per week	Weeks	2	\$198.00	(396)
13	Supervision				2640
	Team Leader	wk	2	\$1,320	(2,640)
15	Sedimentation Control	Item		\$900 or 3%	450

TRAFFIC

21	Sign Posting				1250
	Commercial Precinct Sign	Ea	1	\$1,000.00	(1,000)
	Parking Sign	Ea	1	\$250.00	(250)

ANCILLARY WORKS

FOOTPATH WORKS

85	Paving to Footpath & Medians				62408
	Paving - Concrete - Normal footpath profile	m ²	553	\$86.00	(47,558)
	Coloured Concrete	m ²	165	\$90.00	(14,850)
86	Brick Paving				19360
	Excavate Base 100mm crushed rock	m ²	200	\$22.00	(4,400)
	Supply and Lay	m ²	200	\$74.80	(14,960)
91	Fencing - Construct New				1000
	Bike rack	Ea	4	\$250.00	(1,000)
95	Trees & Shrubs	Item			3750
	Supply & Plant	Ea	15	\$250.00	(3,750)
96	Gardens				6860
	Brick Garden Edging - (10mm Mortar joint)				
	Face - 76mm wide	m	63	\$27.21	(1,701)
	Mulching				
	Import Mulch & Spread	m ²	15	\$3.96	(59)
	Seating				(0)
	Garbage bins	Ea	4	\$450.00	(1,800)
	Park Bench (PB5) [1500mm]	Ea	3	\$1,100.00	(3,300)

EXTRA WORK

98 Any extra work to that shown on the plan

WET WEATHER

99 Idle time due to weather and cost of restoration to pre-rain damaged state

UNALLOCATED COSTS

999 For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)

TOTAL PROJECT COST 98510



Project Overview

Summary

Project Name:	Telarah Shopping Centre
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The revitalisation of Telarah Shopping Centre including footpath improvements, installation of bus stop, minor landscaping and street furniture.

Project Background

This is a suburban shopping centre that has aging infrastructure. The centre attracts many people and from a risk perspective, and aesthetic, this project is a high priority.

Project Cost Estimate

The estimate for this project is \$100,000. This estimate is based on recent works of a similar nature.

Conclusion

This project has been identified in the roads asset management plan for footpath refurbishment. Footpath refurbishment is listed in Appendix B of the Roads Asset Management Plan. Street furniture requirements are listed in Council's defect register.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

SERVICES PLANNING & REGULATION

ESTIMATE

JOB No.

BS No.

PLAN No.

C2354

Prepared by: Gert Pretorius Checked by: Kevin Stein Date: 22/03/2011

Budget Centre: _____ Sub.Centre: _____

Estimate Accepted by Works: _____ Date: _____ Project No.: _____

Street: South Street Location: Telarah Zone: _____

Section from: William Street To: Green Street Side: _____

Description of Works: Commercial Precinct Revitalisation

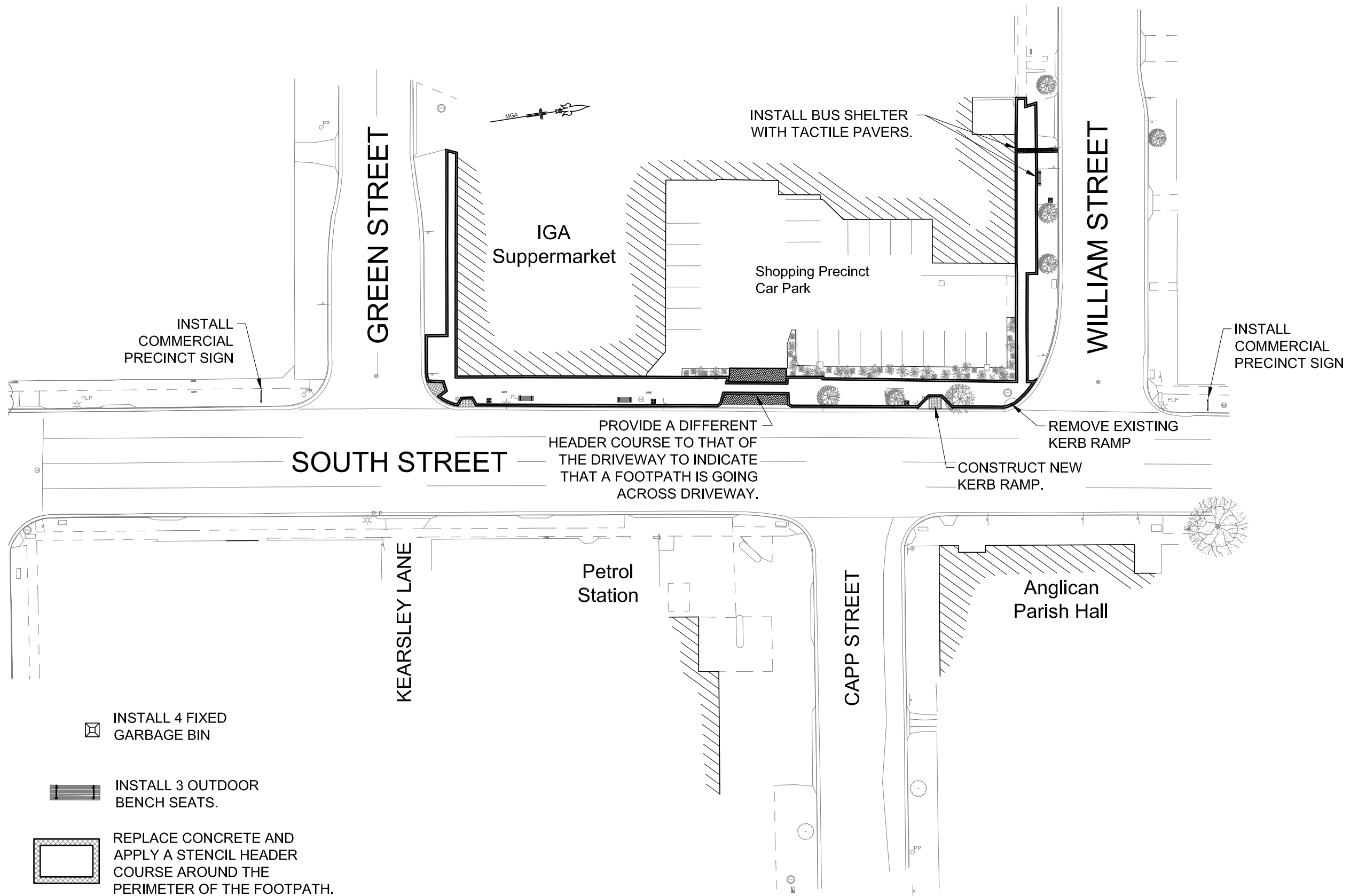
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
04	Public Utilities / Adjust	Item			5000
08	Contingencies	Item		10%	10000
SITE WORKS					
10	Site Establishment and Costs				990
	Set - Up Costs-caravan on site	Item	1	\$396.00	(396)
	Site costs - Caravan rental per week	Weeks	3	\$198.00	(594)
13	Supervision				3960
	Team Leader	wk	3	\$1,320	(3,960)
TRAFFIC					
17	Traffic Control / Devices				5000
21	Sign Posting				3000
	Information sign on new post in natural ground	Ea	2	\$1,500.00	(3,000)
ANCILLARY WORKS					
FOOTPATH WORKS					
82	Pedestrian Ramps Install and Remove	Ea	1	\$1,500.00	1500
85	Paving to Footpath & Medians				40625
	Header Coarse - concrete edge treatment	m ²	100	\$50.00	(5,000)
	Remove and Replace Concrete	m ²	375	\$95.00	(35,625)
89	Bus stop				20000
	Bus stop shelter	item	20000	\$1.00	(20,000)
95	Trees & Shrubs	Item			2000
	Replace Existing Street Tree - 200 litre bag	Ea	4	\$500.00	(2,000)
96	Gardens				8500
	Street Furniture				
	Fixed Garbage Bins	Ea	4	\$1,000.00	(4,000)
	Seating				
	Park Bench (PB5) [1500mm]	Ea	3	\$1,500.00	(4,500)

EXTRA WORK
98 Any extra work to that shown on the plan

WET WEATHER
99 Idle time due to weather and cost of restoration to pre-rain damaged state

UNALLOCATED COSTS
999 For allocation of incorrect or non allocated costs.
 (Accounts Department Use Only.)

TOTAL PROJECT COST **100575**



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	DATE	BY	ISSUE / AMENDMENT DETAILS	CHKD		DATE	BY	ISSUE / AMENDMENT DETAILS	CHKD
A	12/03/2009	G.P	TRAFFIC COMMITTEE	K.S	G	---	---	---	---
B	---	---	---	---	H	---	---	---	---
C	---	---	---	---	J	---	---	---	---
D	---	---	---	---	K	---	---	---	---
E	---	---	---	---	L	---	---	---	---
F	---	---	---	---	M	---	---	---	---

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DX 21613 MAITLAND

RATIO	
Horizontal Ratio: 1: 500	
SURVEYOR S. PULLER	DATUM A.H.D.
DESIGNER W.ELLEM	

Telarah Commercial Center
South Street
Telarah
Telarah Shops Concept Plan

PLAN No.	
C2354-1	
SHEET 1 OF 1 SHEETS	ISSUE: A



Project Overview

Summary

Project Name:	Central Maitland Footpath Refurbishments
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Central Maitland Footpath Refurbishments Project will affect permanent repair on old footpath in the highly used CBD of Maitland. The works will include the removal of existing pavement and replaced with concrete or pavers where appropriate. The works is prioritised by usage and defect extent and severity.

Project Background

The footpath areas in central Maitland are of high use and are typically 40 years and older. There are a wide variety of defects and trip hazards that need to be refurbished beyond the temporary repairs already applied.

Project Cost Estimate

The refurbish rate is in the order of \$175 per square metre, based on works previously done and it is anticipated that approximately 3000 square metres will be accomplished.

Conclusion

These works have been identified in councils defect register for footpaths and projects are listed in the Asset Management Plan for Roads under Appendix B.

APPROVALS



Prepared By _____
Manager Infrastructure Planning & Administration



Approved By _____
Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Riverside Walk Carpark
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The refurbishment of this car park will entail pavement reconstruction, AC surfacing, car stops and other traffic facilities.

Project Background

This is a car park central to the CBD and is highly used. It is quite old and in need of reconstruction.

Project Cost Estimate

The project cost estimate is \$250,000. This estimate is based on recent works of this nature.

Conclusion

Due to the high usage of this car park, it has been identified for refurbishment and is listed in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: K Stein Checked by: Date:
 Budget Centre: Sub.Centre:
 Estimate Accepted by Works: Date: Project No.:
 Street: ST ANDREWS STREET Location: MAITLAND Zone:
 Section from: To: Side:
 Description of Works: Rehabilitate Riverside Walk Car Park

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
02	Property & Easement Acquisition	Item			50,000
04	Public Utilities / Adjust				
	Street Lighting	Item			25,000
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	2	\$362.00	724
	Team Leader	wk	2	\$1,722	3,444
15	Sedimentation Control (Min \$200 or 1% of Project)	Item	1	\$1,000.00	1,000
TRAFFIC					
20	Pavement Marking - Lines				
	Paint (schedule)	m	850	\$3.50	2,975
	Symbols – paint (number)	Each	5	\$50.00	250
21	Sign Posting – See Sign Schedule on plans				
	New post in ground	Each	20	\$100.00	2,000
PAVEMENT					
70	Tyne, add gravel and reshape -				
	30 - 50mm Thick	m²	3400	\$11.00	37,400
WEARING SURFACE					
77	Final Trim - Preparation for Seal	m²	3400	\$1.10	3,740
78	Asphaltic Concrete				
	Supply, Deliver and Lay (See contract rates)	t	306	\$160.00	48,960
80	Bitumen Seal - Single Coat	m²	3400	\$2.75	9,350
ANCILLARY WORKS					0
92	Car Stops				
	Concrete	Item	70	\$55.00	3,850
95	Trees & Shrubs	Item			
	Guards	Ea	14	\$400.00	5,600
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
UNALLOCATED COSTS					
999	For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)				
TOTAL PROJECT COST					249693



Scale 1 : 1000
Printing Date: January 2011

NORTH

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Project Overview

Summary

Project Name:	Riverside Walk Carpark
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The refurbishment of this car park will entail pavement reconstruction, AC surfacing, car stops and other traffic facilities.

Project Background

This is a car park central to the CBD and is highly used. It is quite old and in need of reconstruction.

Project Cost Estimate

The project cost estimate is \$250,000. This estimate is based on recent works of this nature.

Conclusion

Due to the high usage of this car park, it has been identified for refurbishment and is listed in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: K Stein Checked by: Date:
 Budget Centre: Sub.Centre:
 Estimate Accepted by Works: Date: Project No.:
 Street: ST ANDREWS STREET Location: MAITLAND Zone:
 Section from: To: Side:
 Description of Works: Rehabilitate Riverside Walk Car Park

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
02	Property & Easement Acquisition	Item			50,000
04	Public Utilities / Adjust				
	Street Lighting	Item			25,000
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	2	\$362.00	724
	Team Leader	wk	2	\$1,722	3,444
15	Sedimentation Control (Min \$200 or 1% of Project)	Item	1	\$1,000.00	1,000
TRAFFIC					
20	Pavement Marking - Lines				
	Paint (schedule)	m	850	\$3.50	2,975
	Symbols – paint (number)	Each	5	\$50.00	250
21	Sign Posting – See Sign Schedule on plans				
	New post in ground	Each	20	\$100.00	2,000
PAVEMENT					
70	Tyne, add gravel and reshape -				
	30 - 50mm Thick	m²	3400	\$11.00	37,400
WEARING SURFACE					
77	Final Trim - Preparation for Seal	m²	3400	\$1.10	3,740
78	Asphaltic Concrete				
	Supply, Deliver and Lay (See contract rates)	t	306	\$160.00	48,960
80	Bitumen Seal - Single Coat	m²	3400	\$2.75	9,350
ANCILLARY WORKS					0
92	Car Stops				
	Concrete	Item	70	\$55.00	3,850
95	Trees & Shrubs	Item			
	Guards	Ea	14	\$400.00	5,600
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
UNALLOCATED COSTS					
999	For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)				
TOTAL PROJECT COST					249693



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Printing Date: January 2011

NORTH

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Project Overview

Summary

Project Name:	Recreation Buildings
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Refurbishment of various recreation buildings across the city to bring the building up to a higher standard by repainting and addressing a backlog of building maintenance issues. Works will include items like repairs or replacement to guttering, fascia, eaves, tiling and masonry works.

Project Background

All recreation building maintenance issues have been identified from the building maintenance inspection report 2010. All items have been rated and prioritised in works programs.

Project Cost Estimate

Estimated at \$300,000 in total. \$50,000 for 2012/13, \$200,000 for 2013/14 and \$50,000 for 2014/15. Estimates are based upon recent works of this nature.

Conclusion

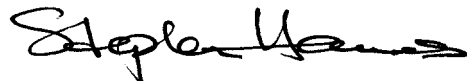
This works is listed in Council's Asset Management for Buildings (Appendix B) across the building asset inventory.



Typical Recreation Building

APPROVALS

PREPARED BY



Manager Infrastructure Planning & Administration



Approved By

Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	East Maitland Library Car Park
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

This project includes the extension of East Maitland Library car park to include an extra 920m² of sealed car park, associated required drainage infrastructure and 150m of park fencing to delineate the car park.

Project Background

The existing car park services the East Maitland Library is inadequate. The car park currently has space for only 22 cars, with the overflow parking in the open space adjacent. This project will formalise this open space to become car park and allow parking for users of the library.

Project Cost Estimate


In order to undertake this project, the required cost is estimated at \$250,000. This is based on past costs, quotes and industry standards.

Conclusion

This project is required for the safety of the community in this area of high traffic. It has been identified in the list of required capital works in Appendix B of the Recreation and Open Space Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



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ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

BS No.

PLAN No.

Prepared by: K Stein Checked by: Date: _____

Budget Centre: Sub.Centre: _____

Estimate Accepted by Works: Date: Project No.: _____

Street: Garnett Road Location: EAST MAITLAND Zone: _____

Section from: To: Side: _____

Description of Works: Construct additional Car Park - East Maitland Library

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
01	Survey, Investigation & Design	Item			
	Car Park				15,000
03	Material Testing	Item			
	Density Test (1 every 100m /each-minimum 3 per job)	Ea	10	\$132.00	1,320
04	Public Utilities / Adjust				
	Telecom (\$100/m)	Item			5,000
	Lighting	Item			10,000
08	Contingencies	Item			35,000
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	4	\$362.00	1,448
	Team Leader	wk	4	\$1,722	6,888
15	Sedimentation Control (Min \$200 or 1% of Project)	Item	1	\$1,000.00	4,000
TRAFFIC					
20	Pavement Marking - Lines				
	Paint (schedule)	m	600	\$3.50	2,100
	Symbols – paint (number)	Each	2	\$50.00	100
21	Sign Posting – See Sign Schedule on plans				
	New post in ground	Each	5	\$100.00	500
EARTHWORKS					
25	Site Clearing & Grubbing-calc.on 1st principle	m ²	920	\$5.00	4,600
27	Excavation - Dump off Site (exc.2.5m for K&G)				0
	Long Haul	m ³	368	\$33.18	12,210
DRAINAGE					
34	Pipes - Supply, Exc, Lay up to 600 Dia.				
	375 Ø Dia. Class RR Jointed	m	115	\$120.00	13,800
41	Inlet Pits - Kerb Inlet, Letterbox	Ea	2	\$1,507.00	3,014
44	Headwalls - Precast installed				
	375 Ø Dia.	Ea	1	\$150.00	150
48	Subsoil Drainage / Inspection Pits	m			0
	Subsoil Drainage (Ag. Flow) no services	m	60	\$38.50	2,310
51	Kerb & Gutter				
	New by machine – (SA, SF, RT, SM, Other)	m	150	\$209.00	31,350
	Excavate Open Channel	m ³		\$5.23	0
	Seed and Turf Strip Table Drains	m ²		\$7.50	0
PAVEMENT					
63	Sub-Base (Gravel/Crushed Rock-supplied to site 2.2t/m ³ Compacted)				
	ARRB SR41	t	404	\$16.50	6,666
66	Basecourse - Gravel / Crushed Rock				

Street: Garnett Road		Location: EAST MAITLAND		Zone:	
Section from:		To:		Side:	
Description of Works: Construct additional Car Park - East Maitland Library					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Supplied to site (2.2t/m3 compacted ARRB SR41)	t	404	\$20.30	8,201
69	Place & Compact				
	(150-200mm) layer confined space	m²	920	\$3.85	3,542
70	Tyne, add gravel and reshape -				
	30 - 50mm Thick	m²	3400	\$11.00	37,400
WEARING SURFACE					
77	Final Trim - Preparation for Seal	m²	920	\$1.10	1,012
78	Asphaltic Concrete				
	Supply, Deliver and Lay (See contract rates)	t	83	\$180.00	14,940
80	Bitumen Seal - Single Coat	m²	920	\$2.75	2,530
ANCILLARY WORKS					0
83	Trim & Adjust Footpath	m²			
	Trim & Adjust Footpath	m²	450	\$4.95	2,228
84	Turfing	m²			
	Supply, Lay, Establish	m²	450	\$5.50	2,475
85	Paving to Footpath & Medians				
	Standard concrete	m²	75	\$88.00	6,600
89	Accesses				
	Commercial/Industrial – (finish, texture, pattern, colour)	m²	40	\$110.00	4,400
91	Fencing - Construct New				
	Park	m	150	\$17.50	2,625
94	Tree Lopping / Removal	Item			2,500
95	Trees & Shrubs	Item			
	Ground cover	Ea	75	\$11.55	866
	Shrubs	Ea	15	\$22.55	338
	Trees – including root control	Ea	2	\$203.50	407
	Guards	Ea	2	\$400.00	800
96	Gardens				
	Soils & preparation	m2	150	\$5.00	750
97	Soil				
	Coontingency				
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
UNALLOCATED COSTS					
999	For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)				
TOTAL PROJECT COST					252470



Project Overview

Summary

Project Name:	McKimms Rd Largs
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The project includes land acquisition, road widening and pavement reconstruction.

Project Background

McKimms Road has recently had an increase in traffic due to the construction of the Third River Crossing and connects Largs to East Maitland. It is listed in the Rural Road Needs survey.

Project Cost Estimate

Estimated cost for this project is \$500,000. This estimate is based on recent works of this nature and land costs.

Conclusion

This project is required for the safety of the community in this area of high traffic. It has been identified in the Rural Road Needs Survey and is in the list of required capital works in Appendix B of the Roads Asset Management Plan.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



ASSET & INFRASTRUCTURE PLANNING

DESIGN & TECHNICAL SERVICES

F008 ESTIMATE - CIVIL WORKS

JOB No.

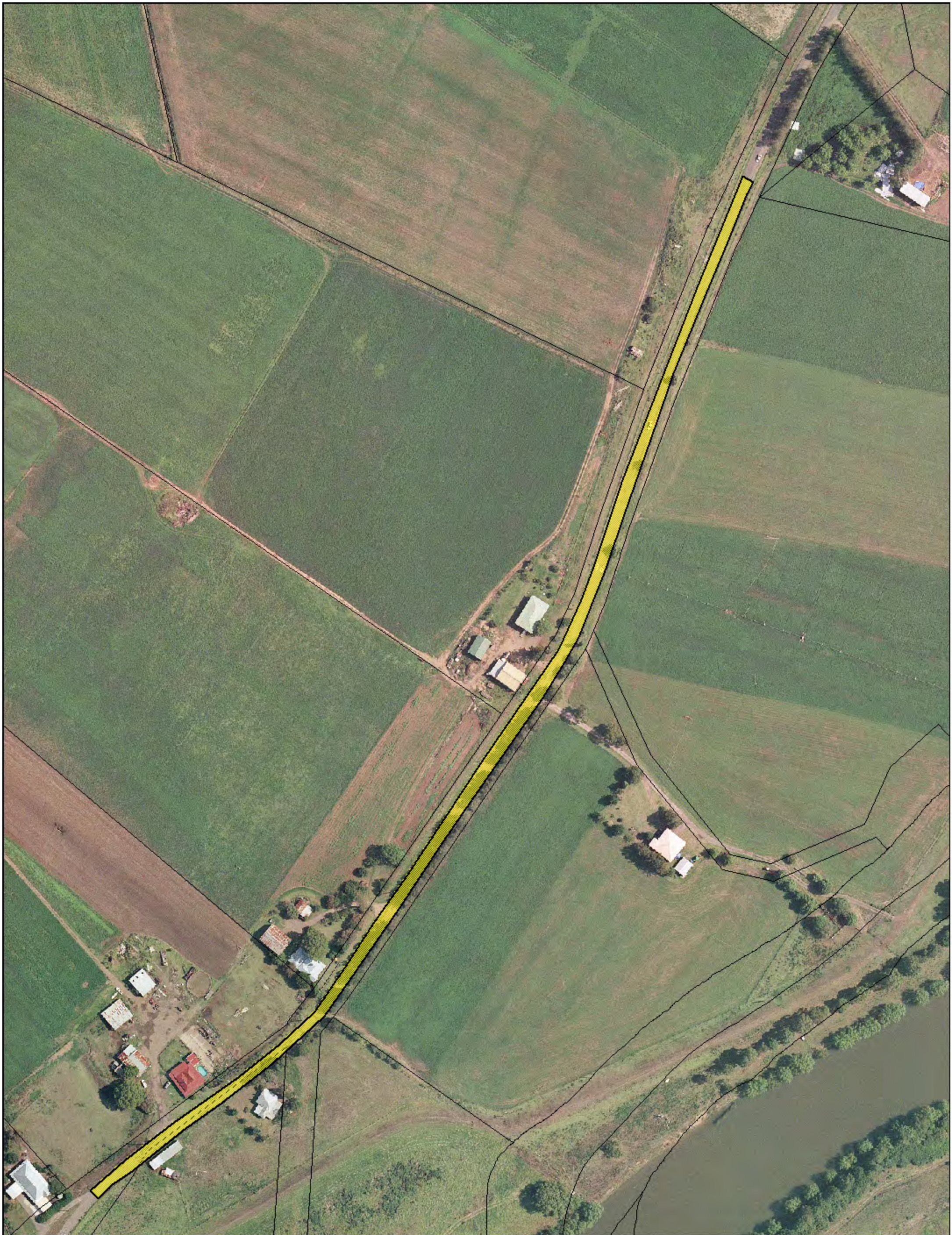
BS No.

PLAN No.

Prepared by: K. Stein Checked by: Date:
 Budget Centre: Sub.Centre:
 Estimate Accepted by Works: Date: Project No.:
 Street: McKimms Road Location: Largs Zone:
 Section from: To: Side:
 Description of Works: Rural Reconstruction - Concept Estimate

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
PRELIMINARY WORKS					
01	Survey, Investigation & Design	Item			
	Rehabilitation				
02	Property & Easement Acquisition	Item			
	Survey				2,000
	Legal				5,000
	Compensation				70,000
04	Public Utilities / Adjust				
	Energy Australia (Poles \$2000, Cables \$50/m)	Item			25,000
08	Contingencies	Item			30,000
SITE WORKS					
10	Site Establishment and Costs				
	Set - Up Costs-caravan on site	Item	1	\$400.00	400
	Site costs - Caravan rental per week	Weeks	8	\$362.00	2,896
	Team Leader	wk	8	\$1,722	13,776
15	Sedimentation Control (Min \$200 or 1% of Project)	Item		\$200.00	1,000
TRAFFIC					
17	Traffic Control / Devices				
	Inspect and Maintain	Day	40	\$250.00	10,000
	Running Costs	Rate/Hour	304	\$17.00	5,168
19	Guide Posts				
	~ Snaploc Flexible	Ea	30	\$30.00	900
20	Pavement Marking - Lines				
	Paint (schedule)	m	2160	\$3.50	7,560
21	Sign Posting – See Sign Schedule on plans				
	New post in ground	Each	8	\$100.00	800
EARTHWORKS					
27	Excavation - Dump off Site (exc.2.5m for K&G)				0
	Long Haul	m ³	735	\$33.18	24,387
33	Dumping of unrecyclable materials	t	100	\$50.00	5,000
DRAINAGE					
58	Clean / Reshape Open, Table, Catch Drain	m	1400	\$6.60	9,240
	Excavate Open Channel	m ³		\$5.23	0
	Seed and Turf Strip Table Drains	m ²		\$7.50	0
PAVEMENT					
66	Basecourse - Gravel / Crushed Rock				
	Supplied to site (2.2t/m3 compacted ARRB SR41)	t	1620	\$20.30	32,886
69	Place & Compact				
	(150-200mm) layer confined space	m ²	1500	\$3.85	5,775
70	Tyne, add gravel and reshape -				
	150mm thick gravel roads	m ²	5200	\$20.00	104,000

Street:	McKimms Road	Location:	Largs	Zone:	
Section from:		To:		Side:	
Description of Works:	Rural Reconstruction - Concept Estimate				
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
71	Remove Seal, tyne add gravel- 50 -75mm thick				
	100mm thick gravel roads	m ²	5200	\$15.00	78,000
WEARING SURFACE					0
77	Final Trim - Preparation for Seal	m ²	5940	\$1.10	6,534
79	Bitumen Seal - Two Coat	m ²	5940	\$5.50	32,670
ANCILLARY WORKS					0
83	Trim & Adjust Footpath	m ²			
	Trim & Adjust Footpath + 75mm Soil seed & water	m ²	1440	\$6.88	9,900
89	Accesses				
	Existing reinstated, gravel (See Contract Rates)	m ²	50	\$20.57	1,029
94	Tree Lopping / Removal	Item			15,000
EXTRA WORK					
98	Any extra work to that shown on the plan				
WET WEATHER					
99	Idle time due to weather and cost of restoration to pre-rain damaged state				
UNALLOCATED COSTS					
999	For allocation of incorrect or non allocated costs. (Accounts Department Use Only.)				
TOTAL PROJECT COST					498921



Scale 1 : 2000
Printing Date: January 2011



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This map has been prepared on the basis of information available to Council at the date of issue. However, that information may be subject to change over a limited time and should therefore be verified with Maitland City Council



Project Overview

Summary

Project Name:	Community & Recreation Buildings Storage
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Installation of storage building at various Community and recreation sites. The storage will be either extensions or the construction of stand alone sheds

Project Background

User groups have requested additional storage to be provided at the various buildings and recreation sites. These groups provide services to the community and have an array of equipment and items that require appropriate storage.

Project Cost Estimate

\$200,000

External masonry shed estimate cost of \$1000 m². Typical shed size 50m² at a total cost of \$50,000

Internal storage installation estimate cost of \$500 m². Typical storage room size 25m² at a total cost of \$12,500.

Estimates are from Cordell Commercial & Industrial Building Cost Guide.

Conclusion

This is a new initiative and is not a replacement or renewal. This work is listed in Appendix B of Council's Assets Management Plan for Buildings.



Typical Storage Shed

APPROVALS

PREPARED BY

Manager Infrastructure Planning & Administration

Approved By

Group Manager Assets & Infrastructure Planning



BUILDING ASSET PROJECT ESTIMATE

JOB No.

BS No.

PLAN No.

Prepared by: Mark Threadgate Checked by: Elizabeth Jardine Date: 24/03/2011

Budget Centre: BUILDING ASSET Sub.Centre: BUILDING WORKS

Estimate Accepted by Works:	Date:	23.03.11	Project No.:
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Street: _____ Location: Various

Description of Works: Community & Recreation Buildings Storage

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	External Storage Shed	M2	45	\$1,000	45,000.00
	Contingency	Item	1		5,000.00
	Total				\$ 50,000.00
TOTAL PROJECT COST				\$	50,000



BUILDING ASSET PROJECT ESTIMATE

JOB No.

BS No.

PLAN No.

Prepared by: Mark Threadgate Checked by: Elizabeth Jardine Date: 24/03/2011

Budget Centre: BUILDING ASSET Sub.Centre: BUILDING WORKS

Estimate Accepted by Works:	Date:	23.03.11	Project No.:
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Street: _____ Location: Various

Description of Works: Community & Recreation Buildings Storage

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Internal Storage Installation	M2	25	\$500	12,500.00
	Contingency	Item	1		2,500.00
	Total				\$ 15,000.00
TOTAL PROJECT COST				\$	15,000



Project Overview

Summary

Project Name:	Shade City Wide
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Provision of shade at various playgrounds and sports facilities city-wide. The installation of permanent shading structures over playground equipment and the planting of trees at sportsgrounds

Project Background

Currently 18 of the 70 existing playgrounds across the LGA have adequate shade. The Cancer Council of Australia recommends that there is a high need for permanent shade over playgrounds. Community awareness and of the need for shade, particularly at summer sports venues, has highlighted this need. This matter was also raised in the December 2010 Meeting of Council. **The need for this project is referenced in the Asset Management Plan Recreation (Table 5.1.2)**

Project Cost Estimate

\$100,000 per year from 2011/12 to 2014/15

A quotation to supply and install shade sail at a large playground within the current works program is \$22,800 or \$195/m². Given an average cost of for constructed shade per playground would be \$18,000. It would cost \$90,000 to provide shade at 5 playgrounds. The supply, planting & establishment costs per advanced tree would average \$200 per tree. 50 trees planted at 5 sportsgrounds would cost \$10,000

Conclusion

If Council were to install 5 permanent shade structures per year for the next 4 years, approximately 50% of playgrounds would have adequate shade. In addition over this period 200 trees would be established at 20 sports grounds.



Typical shade structure over a small playground

APPROVALS

Prepared By

Manager Infrastructure Planning & Administration

Approved By

Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Playground Equipment
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The programmed replacement of playground equipment which have past their useful life.

Project Background

Playground equipment has been estimated to have a useful life of 16 years. A program replacing at least 4 playgrounds per year is required to maintain this schedule. Current funding allows for the replacement of less than 2 playgrounds per year. At this rate of replacement, the useful life of most playgrounds is extended to an unsustainable age. This may necessitate the removal of some playgrounds.

The need for this project is referenced in the Asset Management Plan Recreation (Table 5.1.2)

Project Cost Estimate

The cost to replace a playground can vary considerably depending on the nature and condition of the site. Recently equipment has been replaced at a site that required very little remediation, the cost was \$35,000. Whereas a new playground to be installed in the current works program has a budget allocation of \$140,000. It is reasonable to assume that the average cost to replace a playground is \$50,000. i.e. 7 playgrounds @ \$50k per playground would cost \$350,000 over 4 years.

Conclusion


This funding in addition to programmed capital works will allow for the replacement of 14 playgrounds across the LGA that will have exceeded their useful life.



Example of playground installed in 1995.

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Manager Infrastructure Planning & Administration

Approved By 
Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Recreation Area Carparks
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The resealing of a number of recreation car parks.

Project Background

There are a number of parks and sports fields in the Maitland area where access is in need of improvement.

Project Cost Estimate

The overall project cost estimate is for \$200,000. This is based on past costs, quotes and industry standards.

Conclusion

This project is required to allow safe and easy access to the city's parks and sports fields. It has been identified in the list of required capital works in Appendix B of the Recreation and Open Space Asset Management Plan, and in the table below.

Table: Condition Rating and Cost Estimate for Recreation Carparks and Park Roads

ADDRESS	SUBURB	CARPARK	PARK ROAD	AREA	CONDITION RATING
Lawson Avenue	Woodberry	Yes		1567	3
Lawson Avenue	Woodberry		Yes	888	3
Edward Street	Morpeth	Yes		1273	2
Houston Avenue	Tenambit	Yes		3385	3
William Street	East Maitland	Yes		2233	4
Ferraby Drive	Metford	Yes		1160	4
Murphy Circuit	Ashtonfield	Yes		1155	5
Cartwright Street	Gillieston Heights		Yes	820	4
Banks Street	East Maitland	Yes		685	3
Government Rd	Thornton	Yes		3373	4
Government Rd	Thornton		Yes	1420	5
Somerset Park	Thornton	Yes		1611	5
Somerset Park	Thornton		Yes	2160	4
Weblands Street	Rutherford	Yes		325	4
Dunkley Street	Rutherford	Yes		2630	4
Melrose Street	Lorn	Yes		325	4
Melrose Street	Lorn		Yes	2234	4
James Street	Maitland		Yes	1350	4
James Street	Maitland		Yes	3081	4
Largs Avenue	Largs		Yes	1287	3
Victoria Road	Bolwarra	Yes		1361	4
Victoria Road	Bolwarra		Yes	3320	4
Bligh Street	Telarah	Yes		4291	3
Bligh Street	Telarah		Yes	1152	3
Bligh Street	Telarah	Yes		852	4
Robert Street	Lochinvar	Yes		1350	4
Robert Street	Lochinvar		Yes	580	4
Chelmsford Drive	Metford	Yes		1760	4
Metford Road	Metford	Yes		1155	4
Metford Road	Metford		Yes	1095	4
Fieldsend Street	Metford	Yes		1050	3
Fieldsend Street	Metford		Yes	166	3
Maitland Park	Maitland	Yes		1020	4
Maitland Park	Maitland	Yes		1333	4
Maitland Park	Maitland	Yes		2600	4
Maitland Park	Maitland	Yes		905	4
Maitland Park	Maitland	Yes		282	4
Maitland Park	Maitland	Yes		109	4
Maitland Park	Maitland		Yes	11720	4
			Sub Total	69,063	
			Value @ \$15/m		\$1,035,945

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration

Approved By



Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Maitland Park Amenities Building
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

Construction of a new facility on the former nursery / depot site. Proposed two-storey clubhouse with storage, meeting rooms, toilets, kiosk and change rooms.

Project Background

As documented in the Maitland Park Plan of Management and Master Plan 2010, the amenities building will service the ever-growing and very strong Maitland sporting clubs of netball, soccer, cricket and touch football.

Project Cost Estimate

Estimated cost of \$1,700,000. Section 94 contributes \$700,000. The cost of this project is based on previous projects of a similar nature.

Conclusion

This is a new project to cater for the growth of the city.

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PREPARED BY



Manager Infrastructure Planning & Administration



Approved By

Group Manager Assets & Infrastructure Planning

\$1,704,500

DRAFT MAITLAND PARK

INDICATIVE COSTS (PRELIMINARY) HIGH PRIORITY WORKS ONLY

	Objectives	Means of Achievement	Indicative Cost	Priority	Responsibility	Manner of Assessment
1.2	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	MCC to repair the drainage problems occurring on the cricket fields/pitches. Sub soil drainage and irrigation (\$100,000-150,000)	\$ 100,000.00	HIGH	MCC	Drainage problems fixed and all wickets able to be used throughout the cricket season. (May require resurfacing)
1.3	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	MCC to repair the drainage problems on Robins Oval (sub soil drainage and irrigation)	\$ 100,000.00	HIGH	MCC	Drainage problem fixed and soccer home games able to be played throughout the season.
1.4	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	MCC to fix the drainage problems on the four (4) new tarred netball courts. (\$30,000-\$50,000)	\$ 50,000.00	HIGH	MCC	Netball courts draining properly and able to be used after rain.
1.6	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Construction of a multipurpose facility to be used by many of the sporting clubs. Facility to be constructed where the Council Nursery is located. Facility to be two (2) storeys and include storage rooms, club rooms, change rooms and amenities, plus a caf	\$ 1,700,000.00	HIGH	MCC	MCC source funding, Council nursery relocated and new multipurpose club facility constructed providing enough storage space for cricket clubs, soccer clubs, touch football and triathlon club.
1.7	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Relocate Nursery and establish on new site	\$ 100,000.00	HIGH	MCC	Nursery relocated
1.8	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Flood lights on the netball courts to be either repaired or replaced depending on what is more economical. (10,000 repair; \$50,000 replace	\$ 50,000.00	HIGH	MCC	Flood lights operating properly.
*1.18	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	Preparation of a maintenance plan to manage the maintenance of the grass playing fields, netball courts, and sporting facilities (e.g. grandstand, change rooms, amenities and other sport facilities).	\$ -	HIGH	MCC	Maintenance plan prepared and sports fields, courts and sporting facilities are being well maintained, that the Park is hosting representative competitions and state carnivals. - Internal
1.2	1. Maintain the Park as Maitland's recognised premier park and multi-purpose facility that provides recreational facilities and experiences to serve the local and regional community.	MCC to investigate the possible acquisition of private properties currently existing in between Park land and the private properties bordering the Park boundary to the east of the Park, as outlined and prioritised in the Master Plan.	\$ -	HIGH	MCC	An acquisition plan for the future acquisition and possible expansion of the Park is prepared and adopted by Council. - Internal
2.1	2. Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Endemic trees and shrubs are to be planted around the boundary of the Park, not only to provide security, shade and shelter, but also to define the Park and enhance the parkland aesthetic	\$ 350,000.00	HIGH	MCC	Endemic tree and shrub species planted around the boundary of the Park, providing shade and shelter and preventing vehicles getting onto the fields.
2.4	2. Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Preparation of a maintenance plan to ensure that the gardens, BBQ and picnic facilities, car parks, seating and open spaces, are kept clean, free from rubbish and vandalism.	\$ -	HIGH	MCC	MCC developed a maintenance plan that is being enforced and keeping the Park, clean, tidy and operational. - internal
2.5	2. Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Preparation of a maintenance plan for the heritage items located in the Park and designated areas in the Park for future construction of memorials.	\$ -	HIGH	MCC	MCC developed a maintenance plan for the heritage items in the Park. Heritage items are being maintained and free of vandalism - internal
2.7	2. Enhance the aesthetics of the Park in a manner that is sympathetic to the historic identity of the Park, while ensuring visual continuity throughout the Park.	Appropriate interpretive signage illustrating the heritage walk, and history of the Park, installed at both entries to the Park (Transvaal Avenue and Blomfield Street). Stage 1	\$ 20,000.00	HIGH	MCC	The heritage walk is being used by visitors, school groups and other community groups as an educational tool. The memorials and heritage items are integrated as part of the Park.
3.1	3. Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	The findings of the MCC City Wide Traffic Plan will determine what actions need to be taken to make entering and exiting the Park safer for motorists. (yet to be determined)	\$ -	HIGH	MCC	PoM amended to include traffic improvement action to be taken. Actions carried out and safer entering and exiting the Park. (yet to be determined)

DRAFT MAITLAND PARK

INDICATIVE COSTS (PRELIMINARY) HIGH PRIORITY WORKS ONLY

3.2	3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	MCC to approach the local public bus company to address the issue of no. public buses currently going into the Park.	\$ -	HIGH	MCC	Public bus company provides service to the Park resulting in less people driving private vehicles to the Park and more people catching public transport.
3.3	3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	MCC to encourage the use of the train service to the Park through education material and green living promotions,	\$ -	HIGH	MCC	Less people driving private vehicles to the Park and more catching public transport.- internal
3.4	3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	Transvaal Avenue to be realigned so that Transvaal Avenue terminates at the intersection with Devonshire Street and Blomfield Street. Intersection to be made into a roundabout. The closed off roads are to be turned into open space or other facilities out!	\$ 500,000.00	HIGH	MCC	Traffic flow is reduced in the Park, intersection is safer and less confusing and the creation of more passive recreation area near Robins Oval and the netball courts. (Costs subject to detail design)
3.5	3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	The Council owned lots of land next to residential properties, next to the netball courts need to be clearly marked as Council land and car parking for the Park.	\$ 5,000.00	HIGH	MCC	Users of the Park are no longer parking on private property. Defined overflow car parking areas for the Park.
3.1	3.Improve access and circulation throughout the Park, ensuring there are clear connections between the sporting/recreational facilities, open space and the community.	Parallel car parking constructed along Elgin Street and Park Street (providing approximately 170 car spaces).	\$ 30,000.00	HIGH	MCC	Providing additional car parking for the players and users of the sports fields. (Linemarking & Signage)
4.4	4. Enhance existing use of open space and provide for a friendly, inviting, accessible and safe recreation area for the Maitland City community.	Car parking to be removed from in between trees along Transvaal Avenue and replaced with grass or gardens.	\$ 80,000.00	HIGH	MCC	Car parking spaces removed and alternative car parking provided, tar and concrete around tree trunks removed and replaced with grass or gardens.
4.1	4. Enhance existing use of open space and provide for a friendly, inviting, accessible and safe recreation area for the Maitland City community.	Caretakers cottage to be occupied (leased out) at all times to ensure that at most nights of the year there is someone present at the Park who can report vandalism and anti-social behaviour.	\$ 30,000.00	HIGH	MCC	Caretakers cottage is leased out 12 months of the year.
			\$ 3,115,000.00			



DRAFT

MAITLAND PARK LANDSCAPE MASTERPLAN

DESIGNED BY:	DRAWN BY:	CHECKED:
PW	PW	DM
DATE:	SHEET No:	SCALE:
28/11/07	3/3	PLAN 1:1250
PROJECT No:	DWG No:	ISSUE:
0375	Figure 5.1	B





Project Overview

Summary

Project Name:	Floodlighting
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The installation of sports field floodlighting citywide in particular at Bolwarra Oval training Field and Lags Oval.

Project Background

There is continuing demand for the upgrading of existing sports floodlighting at most sportsgrounds across the LGA. The existing sports field floodlighting rarely complies with Australian Standards for training level illumination and there is an increased participation at sports grounds for night games. In particular the limited floodlighting at Largs Oval and the non existence of lighting at a recently constructed training field at Bolwarra, highlight a deficiency in Council's ability to provide safe night sports training and playing facilities. **The need for this project is referenced in the Asset Management Plan Recreation (Table 5.1.2)**

Project Cost Estimate

Preliminary estimates supplied to Council indicate a cost of \$114,000 to provide floodlighting to each single field. At existing fields lighting can be augmented by installing additional lights on existing infrastructure, costing approximately \$4,000 per light. A program of renewal would be drawn from the **Asset Management Plan Recreation (Table 5.1.1.6)**

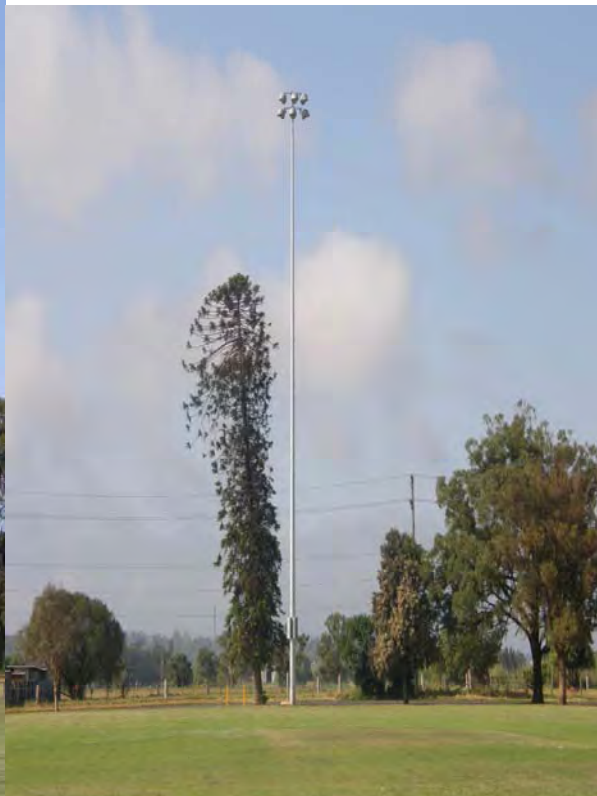
Conclusion

The continuing demand is reflected in the Asset Management Plan for Recreation and Open Space and listed works are in Appendix B of the Asset Management Plan.

Old Sports Field Floodlighting

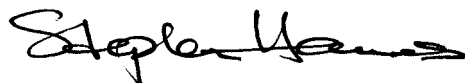


New Sports Field Floodlighting



APPROVALS

Prepared By



Manager Infrastructure Planning & Administration



Approved By

Group Manager Assets & Infrastructure Planning



Project Overview

Summary

Project Name:	Maitland Park Fencing
Department:	Assets & Infrastructure Planning
Last Updated:	24 March 2011
Project Manager(s):	TBA

Project Description

The construction of a childproof fence along the boundary of Maitland Park and the New England Highway, Les Darcy Drive.

Project Background

Currently the existing chain-wire fence forming the boundary of Les Darcy Drive and Maitland Park is approximately 30 years old, unsightly and its placement does not meet the current standard for fencing infrastructure adjoining a state highway. Maitland Park is the city's premier passive and active recreation facility and is identified as such in the Council's Recreation Openspace Asset Management Plan (table 5.1.1.1). The fence does not reflect the parks status. A fence that will provide security for users of the park, especially children, longevity and is aesthetically appropriate is required. The fence alignment will be required to be set back at the appropriate distance from the highway to meet the Roads and Traffic Authority standards.

Project Cost Estimate

The project will be of "palisade" style set in a concrete mowing strip. An indicative cost to supply and install a fence to meet Council's requirements is, based on recent works, \$250 per metre. The length of the fence is 405 metres. Estimated cost \$100,000

Conclusion

The installation of a new fence at Maitland Park, adjoining the New England Highway, will greatly enhance the amenity and safety of the park.

APPROVALS

Prepared By



Manager Infrastructure Planning & Administration



Approved By

Group Manager Assets & Infrastructure Planning